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BRACHIOPODA

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E. F. OWEN

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II.—SUBJECT INDEX

Reference to the "Titles" is by the name(s) of the Author(s).

STRUCTURE AND ANATOMY

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Catalogues.—Type and figured specimens in Australian collections, Crespin ; type specimens of fossils in Japan, Hanzawa, Asano & Takai ; fauna and flora of A.S.S.R., Naletov.

Biometrics.—Analysis of *Pugnoides triplex*, Parkinson ; analysis of *Cyrtospirifer* from the Devonian of U.S.S.R., Sidiachenko.

Nomenclature.—*Yunnanella* Grabau, 1931 or *Nayunnella* Sartenaer, 1961 ? ; *Ivanova* ; International Zool. Code adopted, Stoll & Dolphus.

Ecological.—Paleoecological relationship between *Autopora* and *Mucrospirifer* from M. Devonian, China, Chang ; Permian spiriferids, Australia, Campbell.

Techniques.—Technique for recording plication of anterior margin, Nekvasilova; analysis of fossil and Recent shells showing strontium and magnesium contents, Lowenstam; acetic acid development of inarticulates, Ireland.

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Ordovician.—(Lr.) U.S.S.R., Rukavishnikova; (Lr.) Estonia, Rubel; Shropshire, Dean & Dineley; North Wales, Macgregor; (Lr.) Korea, Kobayashi; U.S.A., Hallinger; Southernland.

Silurian.—U.S.S.R., Kravtsov & Gurevich; Sapelnikov; Sapelnikov (1); Estonia, Rubel (1); Czechoslovakia, Haviček (1); Scotland, Rolfe; Nepal, Cavet in Bordet *et al.*; Portugal, Thadeu; Spain, Ramirez; Canada, Raasch, Norford & Wilson; Boucot, Martinsson & Thorsteinsson *et al.*; U.S.A., Amsden; Amsden (1); Paraguay, Wolfart; Argentina, Castellaro; China and Korea, Hamanda.

Devonian.—U.S.S.R., Alexeeva; Andronov; (Mid.) Chernov; (Eifelian) Graissanova; Ivanova & Chudinova; Karpov, Lyashenko *et al.*; Kulkov; Khokhlov & Osipov; Malakhova; (Ur.) Sidiachenko (1); (Eifelian) Vaganova; Yanov; A.S.S.R., Mamedov; Armenia (Lr.), Abramyan; Poland, Biernat; Obere & Gorecka; Ozonkova; Czechoslovakia, Haviček (1); Germany (Eifelian), Ochs & Wolfart; Volk; Struve; France, Le Maître & Devos; Renaud; Morocco, Drot; Sahara, Drot (1); (Lr. and Mid.) Africa, Le Maître; (Lr.) China, Hamanda; Hou; (Lr.), Sartenaer (1); (Mid.) England, Elliott; (Ur.) Western Canada, Sartenaer (3); (Ur.), McLaren; (Mid.), Fagerstrom; (Mid.) Crickmay; U.S.A., Ager; (Ur.) U.S.A., Sartenaer; (Traverse Gp.), Stumm; Paraguay, Wolfart; (Lr.) Antarctica, Boucot & Caster.

Carboniferous.—U.S.S.R., Bogush & Upherev; Benediktova; (Lr.), Barkhatova; (Lr.), Dedok; (Lr.), Fotieva; (Lr.), Kononova; (Lr.) Tartar, Kuznetsov; (Lr.), Likharev; (Lr.), Teodorovich, Grozdilova, Lebedeva & Kachatryan; (Lr.), Monakova; Semikhatova; (Ur.) Arctic, Solomina & Tchernjak; (Ur.), Volgin; (Lr.) Poland, Zakowa & Pawlowska; (Lr.) Moravia, Czechoslovakia, Chupák; (Lr.) Yugoslavia, Kostic-Podgorica; (Lr.) Germany, Sittig; (Lr.) U.K., Turner; (Lr.) Spain, Sampelayo; Kannis; (Lr.), Hernández-Sampelayo; (Lr.), Almela, Alvarado & Coma; (Lr.) Morocco, Hollard; (Mississipp.) West Canada, Nelson; (Lr.) Mississippi, U.S.A., Bass; Root, Rodriguez & Forsyth; (Pennsylv.) U.S.A., Hoare; Hoare (1); (Lr.), Gordon & Duncan; (Mid. Pennsylv.), Gehrig; (Mississipp.) U.S.A., Armstrong; Elias; (Ur.) Brazil, Mendes (1); Patagonia, Amos (1); Argentina, Amos; (Lr.) Queensland, Maxwell; Australia, Hill; Campbell; (Lr.) China, Ching; (Lr.) China, Yan & Chzhan.

Paleozoic.—(General), Sarycheva & Sokolskaya (1); (Lr.) Bulgaria, Spassov; Permo-Carb. India, Bana; (Lr.) China, Wang; Permo-Carb. China, Ustritsky; (Lr.) U.S.A., Shaw; (Ur.) Brazil, Mendes; (Ur.) U.S.S.R., Ustritsky; Miroshnikov, Kravtsov & Shcheglova; Argentina, Turner.

Permian.—General, Gobbett; (Ur.) U.S.S.R., Likharev; U.S.S.R., Stepanov; East Greenland, Arctic regions, Dunbar; Greenland, Mayne; E. Poland, Odrzywolska-Bienkowska; Australia, Stehli; Campbell (1); (Ur.) China, Zhang & Ching; (Ur.) Japan, Shimizu (1); General, invertebrates, Branson; Texas, Branson (2); U.S.A., Dutro & Yochelson; Permo-Carb. Brazil, Mezzalana.

Trias.—U.S.S.R., Dagys; (Lr.) U.S.S.R., Moiseev; Grunt; Austria, Michard; Switzerland, Botteron; Peru, Stehli; (Ur.) Arabia, Jefferies; Bataller (2).

Jurassic.—(Lias) U.S.S.R., Antoshchenko; (Ur.), Gerasimov; Kyansep; Kyansep (1); General, Makridin; Moiseev in Krimholz; Tithonian, Poland, Kotanski & Radwanski; (Ur.) Bulgaria, Barbulescu; (Ur.) Yugoslavia, Poljak; Bešić; (Lias) France, Rangheard & Theobald; Rioult; Rollet; (Bajocian) Italy, Ronchetti & Sestini; General Italy, Selli; (Lias) Italy, Pointingher; (Mid. Lias) Spain, Morena; (Lias) Spain, Bataller (2); North Africa, Desio, Ronchetti & Invernizzi; (Ur.) Abyssinia, Jaboli; (Ur.) Mexico, Ochoterena.

Cretaceous.—(Lr.) U.S.S.R., Drushchits & Kudryavtsev; (Ur.), Kovaleva (1); (Ur.), Moskvina; (Lr.) Caucasus, Popkhadze; (Lr.), Smirnova; Yugoslavia, Luković; Afghanistan, Ronchetti; India, Sahni; Spain, Battaller (1); (Cenoman.) France, Cayeux; (Lr.) U.K., Casey; N. Ireland, Hancock; (Lr.) England, Middlemiss; (Lr.) England, Owen; England, Peake & Hancock; (Cenoman.) England, Smith; (Lr.) Texas, Perkins.

Tertiary.—(Lr. Paleocene) U.S.S.R., Kovaleva; Yugoslavia, Koehansky; Iceland, Askelsson; Holland, Moraal; (Eocene) Spain, Battaller (3); (Miocene) Italy, Comaschi; (Pliocene) Greece, Anapliotis; Patagonia, Argentina, Levy.

Recent.—U.K., Atkins (1), (2), (3); West Africa, Chuang (1); Singapore, Chuang; Southern Hemisphere, Muir-Wood & Elliott; Japan, Hirai & Fukushima.

Serial sections.—U.S.S.R., Dagys; Trias U.S.S.R., Dagys (1), (2); Ur. Jurassic U.S.S.R., Kyansep; Devonian U.S.S.R., Kulkov; Lr. Ordovician Estonia, sections of *Lycophoria*, Rubel; Jurassic France, Rollet; Lr. Carb. China, Yan & Chzhan; Lr. Devonian China, Hou; Ur. Jurassic Abyssinia, Jaboli; Ur. Trias Arabia, Jefferies; Ur. Devonian W. Canada, McLaren; Sartenaer (3); Carb. Patagonia, Amos (1); Tertiary Argentina, Levy; Permian Australia, Campbell.

General.—Epifauna attached to spiriferid, Ager; parasitic attachment to *Atrypa*, Biernat; evolution of Permian spiriferids, Campbell; stratigraphical tables on Ural geology, Russia; general stratigraphy, Serbia, Sudić-Protić.

III.—SYSTEMATIC INDEX

Note.—The classification used here is according to H. M. Muir-Wood, 1955, with minor later amendments. In view of the varied state of revision of the different groups and to avoid certain inconsistencies, no subdivision is attempted here below the level of superfamily.

Generic and family names are arranged in alphabetical order within each superfamily.

Reference to the "Titles" is by the name(s) of the Author(s).

† Denotes genus extinct.

CLASS INARTICULATA

Order ATREMATA

LINGULACEA

†*Langella* gen. nov. p. 2, type species: *Lingula imbituensis* Oliveira, 1930, p. 3, figd., Permian-Carboniferous, Brazil, Mendes.

†*Lingula borealis* p. 64, *polaris* p. 65, both figd., Moiseev; *carbonaria* p. 21, figd. Middle Pennsylvanian, U.S.A., Hoare; *demissa* sp. nov. p. 214, figd. Jurassic, U.S.S.R., Gerasimov; *dregeri* p. 19, Miocene, Italy, Comaschi; *nicklesi* p. 216, Sutherland; aff. *oliverai* p. 61, figd., Wolfart; *parva* p. 162, figd., Chuang (1); *polariformis* p. 50, *munieri* p. 51, Trias, Spain, Bataller (2); *squamiformis* p. 95, figd., Monakhova; *tenuissima* p. 188, Merki; *unguis* p. 299, figd., Recent, Singapore, Chuang; sp. p. 468, Raasch, Norford & Wilson.

Order NEOTREMATA

PATERINACEA

†*Micromitra* (*Paterina*) sp. B, figd., Middle Cambrian, Australia, Öpik.

ACROTRETACEA

†*Acrotretella* gen. nov. p. 1139, type species: *A. siluriana* sp. nov. p. 1140, figd., Silurian, Oklahoma, U.S.A., Ireland.

†*Acrothele* sp. A, figd., Middle Cambrian, Australia, Öpik.

†*Artiotreta* gen. nov., type species: *A. parva* sp. nov. p. 1138, figd., Silurian, Oklahoma, U.S.A., Ireland.

†*Curticia minuta* p. 928, *elegantula* p. 930, figd., Rowell & Bell.

DISCINACEA

Disciniscia yaroslavensis, conviva p. 215 spp. nov., figd., Jurassic, U.S.S.R., Gerasimov; *lamellosa* p. 262, figd., Rowell.

†*Ochlerella pleurites* p. 60, Root, Rodriguez & Forsyth.

†*Orbulicoidea* cf. *guarunensis* p. 67, figd., Mezcala; *keokuk* p. 96, figd., Monakhova; *minor, fragilis, elliptica, complanata* p. 51, Trias, Spain, Bataller (2); *missouriensis* p. 22, *capuliformis* p. 23, both figd., Hoare; (?) sp. p. 136, figd., Cavet (1); *sibirica* sp. nov. p. 65, figd., Trias, U.S.S.R., Moiseiev.

†*Schizobolus* sp. p. 468, Raasch, Norford & Wilson.

CRANIACEA

†*Ancistrocrania tuberculata, spinulosa* p. 226, figd., Ur. Cretaceous, U.S.S.R., Moskvina.

Crania anomala p. 262, figd., Rowell.

†*Petrocrania modesta* p. 25, figd., Hoare.

CLASS ARTICULATA

Suborder ORTHOIDEA

ORTHOACEA

†*Apheoorthina ? daunus* p. 146, A. sp. ? p. 148, figd., Rubel.

†*Cyrtototella semicircularis* p. 180, *pakriensis* sp. nov. p. 182, both figd., Lr. Ordovician, Estonia, Rubel.

†*Cyrtototella* sp. p. 186, figd., MacGregor.

†*Corineorthis biconveza* sp. nov. p. 180, figd., Ur. Llandeilo, N. Wales, MacGregor.

†*Dinorthis transversa* p. 216, Hallinger.

†*Eostrophomena ? fastigata* sp. nov. p. 186, figd., Rubel.

†*Glossorthis schmidtii* p. 183, *verneuili* nom. nov. for *Orthis extensa* Verneuil, 1845, p. 184, figd., sp. A p. 185, Lr. Ordovician, Estonia, Rubel.

†*Glyptorthis minor* sp. nov. p. 186, figd., Ur. Llandeilo, N. Wales, MacGregor.

†*Glyptorthis ?* sp. nov. p. 186, figd., Rubel.

†*McEwanella berwynensis* sp. nov. p. 183, figd., Ur. Llandeilo, N. Wales, MacGregor.

†*Nanorthis multicostata* p. 32, figd., Rukavishnikova.

†*Nicolella actoniae* p. 134, figd., Cavet (1).

†*Nicolella pterygoidea* p. 168, sp. a p. 170, Rubel.

†*Nothorthis penetrabilis* sp. nov. p. 170, figd., Rubel.

†*Orthambonites orbicularis* p. 173, *majuscula* sp. nov. p. 175, *calligramma* p. 177, *fundata* p. 178, ? *inaequalis* spp. nov. p. 179, Lr. Ordovician, Estonia, Rubel.

†*Orthidiella* sp. ?, Rubel.

†*Orthis callactis* (?) p. 172, figd., Rubel.

†*Orthis* (?) cf. *patera* p. 6, Cavet in Bordet et al.

†*Orthis striatula* p. 28, figd., Lr. Carboniferous, Spain, Hernandez-Sampelayo.

†*Orthis* (*Harnessedella*) cf. *vespertilio* p. 21, cf. *noctilio* p. 22, figd., Thaden.

†*Panderina bocki* p. 160, *abscissa* p. 161, *tetragona* p. 162, *lata* p. 164, *pakriensis* sp. nov. p. 165, all figd., Lr. Ordovician, Estonia, Rubel.

†*Placsiomys* cf. *thraivensis* p. 135, figd., Cavet (1).

†*Platystrophia* cf. *precedens major* p. 184, figd., MacGregor; sp. a p. 154, sp. b and sp. c p. 155, *costata* p. 156, all figd., Rubel.

†*Prandlina nasuta* sp. nov. p. 158, figd., Lr. Ordovician, Estonian, Rubel.

†*Productorthis aculeata* p. 166, *obtusa*, *parallela* p. 167, *eminens* p. 168, all figd., Rubel.

†*Ranorthis parvula* p. 149, *carinata* sp. nov. p. 151, *norvegica* p. 152, ? *trivialis* sp. nov. p. 153, all figd., Lr. Ordovician, Estonian, Rubel.

†*Sinorthis* gen. nov. p. 85, type species: *S. typica* sp. nov. p. 87, figd., Wang.

††*Skenidioides* sp. p. 185, figd., MacGregor.

†*Skenidium* aff. *polonicum* p. 61, figd., Drot.

Suborder DALMANELLOIDEA

DALMANELLACEA

†*Crassiorina* ? sp. nov. p. 198, figd., Rubel.

†*Dalmanella parva* p. 189, cf. *lepta* p. 191, both figd., Ur. Llandeilo, N. Wales, MacGregor; cf. *rostrata* p. 6, figd., Cavet in Bordet et al.; cf. *testudinaria* p. 136, Cavet (1).

†*Enteletes hemiplicatus*, *wannanensis* sp. nov. p. 403, figd., Ur. Permian, China, Zhang & Ching.

†*Horderleyella subcarinata* sp. nov. p. 193, figd., Ur. Llandeilo, N. Wales, MacGregor.

†*Levenea inostranzewi* p. 141, figd., Gratsianova.

†*Mendacella* ? sp. p. 44, figd., Castellaro.

†*Orthotichia morganiana* p. 27, figd., Mendes (1); *ovata* sp. nov. p. 29, figd., Lr. Permian, U.S.S.R., Volgin.

†*Parmorthis* sp. p. 42, figd., Castellaro.

†*Paucicrura immatura* p. 191, figd., MacGregor.

†*Paurorthis* sp. a p. 193, *minima* p. 194, *valida* sp. nov. p. 195, *parva* p. 196, *inflata* sp. nov. p. 197, all figd., Lr. Ordovician, Estonian, Rubel.

†*Paurorthina* gen. nov. p. 187, type species: *P. resupinata* sp. nov. p. 189, figd., Lr. Ordovician, Estonia, Rubel.

†*Reuschella* cf. *horderleyensis* p. 374, figd., Dean & Dineley.

†*Rhipidomella australis* p. 88, figd., Maxwell; *carbonaria* p. 26, figd., Hoare; *carbonaria* p. 10, figd., Gehrig; *cascadensis* pl. 24, *diminutiva* pl. 10, Nelson; *missouriensis* p. 60, *mesialis* p. 61, both figd., Root, Rodriguez & Forsyth; *penniana* p. 23, figd., Mendes (1); *uralica minor* subsp. nov. p. 402, figd., Ur. Permian, China, Zhang & Ching; sp. p. 214, figd., Sittig; sp. p. 17, figd., Armstrong.

†*Salopia* cf. *salteri* p. 195, figd., MacGregor.

†*Schizophoria propinqua* p. 17, figd., Fagerstrom; *resupinata* var. *striatula* p. 46, figd., Ur. Devonian, Poland, Obero & Gorecka; *resupinata* p. 213, Sittig; *vulvaria* p. 136, figd., Kannis.

Suborder CLITAMBONITOIDEA

CLITAMBONITACEA

†*Atelelasma anatolica* sp. nov. p. 188, ? *Atelelasma* sp. p. 189, both figd., Ur. Llandeilo, N. Wales, MacGregor.

†*Tritoechia kendykassica* sp. nov. p. 36, figd., Lr. Ordovician, U.S.S.R., Rukavishnikova.

Suborder SYNTROPHIOIDEA

SYNTROPHIACEA

†*Angusticardinia recta* p. 201, *striata* p. 202, both figd., Rubel.

†*Clarkella orientalis* p. 44, *transversa* sp. nov. p. 46, both figd., Lr. Ordovician, U.S.S.R., Rukavishnikova.

†*Lycophoria lamanskii* sp. nov. p. 209, *nucella* p. 211, *globosa* p. 212, *longissima* p. 213, all figd., Rubel.

†*Parastrophinella parva* sp. nov. p. 197, figd., *costata* sp. nov. p. 199, figd., Ur. Llandeilo, N. Wales, MacGregor.

†*Rhynchocamara acuminata* p. 199, figd., Rubel.

†*Syntrophinella typica* p. 50, figd., Rukavishnikova.

†*Tetralobula plana* sp. nov. p. 40, figd., Lr. Ordovician, U.S.S.R., Rukavishnikova.

Suborder PENTAMEROIDEA

PENTAMERACEA

Barrandellinae subfam. nov. p. 34, for *Barrandella* and *Pentamerella*, Devonian, U.S.S.R., Andronov.

†*Biseptum* gen. nov. p. 39, type species: *B. rectecostatum* sp. nov. p. 40, figd., Devonian, U.S.S.R., Vaganova.

†*Conchidiella pseudobaschkirica* p. 28, aff. *pseudobaschkirica* p. 31, *pseudobaschkirica* var. *longicephala* var. nov. p. 32, *calvata* p. 33, *calvata* var. *larga* var. nov. p. 34, *calvata* var. *degener* var. nov. p. 35, *rossica* p. 36, *longiplutea* sp. nov. p. 37, *triangulicostata* (in litt.) p. 39, *Vaganova*; *vaganica* p. 95, *weberi* p. 96, *kedrovensis* sp. nov. p. 97, *nalievkini* p. 98, *strelebricensis* p. 99, *pulchra* p. 100 spp. nov., *triangulocostata* sp. nov. p. 101, *baschkirica* p. 101, *pseudobaschkirica* p. 102, aff. *pseudobaschkirica* p. 103, *strachovi*, *tumida* p. 104, aff. *tumida*, *gorezkii* p. 105, *sosnavaensis* p. 106, *striata* p. 107, aff. *striata* p. 108 spp. nov., all figd., Devonian, U.S.S.R., Andronov.

†*Conchidium pseudobiloculare* p. 41 sp. nov., *lichenensis largum* subsp. nov. p. 43, *bisulcifer* p. 45, *laqueatiformis* p. 46, *triquetrum* p. 47, *virgatum* p. 49 spp. nov., *triangulum* p. 49, all figd., Silurian, U.S.S.R., Sapelnikov (1); *ochlerti* p. 136, figd., Kannis; *vogulicum* p. 90, *soschikini* sp. nov. p. 92, figd., Devonian, U.S.S.R., Andronov.

†*Gypidula galeata* p. 44, figd., **Andronov**; *irdelensis* p. 16, *menneri* p. 17, *moldawanzevi forma alba* f. nov. p. 18, *totaensis* p. 20, *acutobata* var. *uralotjan-schanica* var. nov. p. 21, *osturalica* sp. nov. p. 22, *vaganica* p. 23, *tenuiplicata* p. 24, *weberi* p. 25, all figd., Devonian, U.S.S.R., **Vaganova**.

†*Gypidulella* gen. nov., type species: *G. pennatula* sp. nov. p. 26, figd., Devonian, U.S.S.R., **Vaganova**.

†*Levigatella* gen. nov. p. 38, type species: *Gypidula olga* Khodalevitch, 1929, *inflata* p. 39, *schegultanica*, *mirtschinki* p. 40, *levegata* p. 41 spp. nov., *ascynica* p. 42, all figd., Devonian, U.S.S.R., **Andronov**.

†*Ivdelinia* gen. nov. p. 45, type species: *Gypidula ivdelensis* Khodalevitch, 1951, *simplex* p. 47, *maslovi* p. 48, *petropavlovskiensis*, *karjavini* p. 49, *antiqua* p. 50, *pseudoiivdelensis*, *egorovi* p. 51, *savtschencoi* p. 52, *intima* p. 53, *moldawanzevi* p. 55, *menneri* spp. nov. p. 56, *ivdalensis* p. 57, *motovilichensis* sp. nov. p. 57, *acutobata* p. 58, *multiplacata* p. 60, *rossica*, *geniculatis* spp. nov. p. 61, *planosella* p. 62, *archangelskii* p. 63, *sosvaensis* p. 64, *miloradowitchi* p. 65, *aspera*, *uralensis* p. 66, *sphaerica* p. 67, *sarytscheri* p. 68, *crassicostata* p. 69, *ataevi* p. 70, *trivialis* p. 72, *pulchellus* p. 73, *kelleri* p. 74, *krestovnicovi* p. 75 spp. nov., all figd., Devonian, U.S.S.R., **Andronov**.

†*Pentamerella pavilionensis*, *grandis* sp. nov. p. 18, figd., Mid. Devonian, Ontario, **Fagerstrom**.

†*Pentameroides jolvensis* p. 103, *reversus* p. 105 spp. nov., figd., Silurian, U.S.S.R., **Sapelnikov**.

†*Procerulina* gen. nov. p. 76, type species: *Pentamerus acutobatus* var. *procerulus* Barrande, 1879, p. 77, figd., *khodalevitchi* sp. nov., *lahusen* p. 78, *tschechia* sp. nov., *bohemica* p. 79, *animosa*, *schtretisiana* spp. nov. p. 80, (?) *denisevitchi* sp. nov. p. 81, *nalivkini* p. 82, *bolshovitinovi* p. 84 spp. nov., all figd., Devonian, U.S.S.R., **Andronov**.

†*Schegultania* gen. nov. p. 108, ? type species: *S. karpinskii* sp. nov. p. 109, *archangelskii* sp. nov. p. 110, figd., Devonian, U.S.S.R., **Andronov**.

†*Sieberella longa* p. 86, *angusta*, *lubimovi* p. 87, *costatisella* spp. nov. p. 88, all figd., Devonian, U.S.S.R., **Andronov**.

†*Sieberina* gen. nov. p. 88, type species: *Pentamerus optatus* Barrande, 1879, p. 89, *optatiformis* sp. nov. p. 89, figd., Devonian, U.S.S.R., **Andronov**.

Suborder TRIPLESIOIDEA

TRIPLESIIACEA

†*Ozoplecia nantensis* sp. nov. p. 196, figd., Ur. Llandeilo, N. Wales, **MacGregor**.

Suborder STROPHOMENOIDEA

PLECTAMBONITACEA

†*Aegiromena* gen. nov. p. 450, type species: *Leptaena aquila* Barrande, 1848, Ordovician, Czechoslovakia, **Havlicek**.

†*Dalejodiscus* gen. nov., type species: *Strophomena comitans* Barrande, 1879, p. 449, Mid. Devonian, Czechoslovakia, **Havlicek**.

Leptestiinidae fam. nov. for *Sampo*, *Leptestiina*, *Leangella*, *Bilobia*, *Tufoleptina* p. 447, Lr. Palaeozoic, Czechoslovakia, **Havlicek**.

†*Sowerbyella antiqua* p. 201, figd., **MacGregor**; *perpleza* p. 216, **Hallinger**.

†*Tufoleptina* gen. nov. p. 447, type species: *T. tufogena* sp. nov. p. 449, figd., Silurian, Czechoslovakia, **Havlicek**.

†*Ygera* gen. nov. p. 449, type species: *Y. ygerens* sp. nov. p. 450, figd., Silurian, Czechoslovakia, **Havlicek**.

STROPHOMENACEA

†*Australostrophia conradii* p. 62, figd., **Wolfart**.

† ? *Dactylogonia* sp. p. 204, figd., **MacGregor**.

†*Leptaena analoga*, figd., pl. 4, **Nelson**; *analoga* p. 48, figd., Ur. Devonian, Poland, **Oberc & Görecka**; *argentina* p. 45, figd., **Castellaro**.

†*Leptaenella* cf. *bowei* p. 142, figd., **Gratsianova**.

†*Macrocoelia llandeiloensis* pp. 206, 207, figd., **MacGregor**.

†*Megastrophia proxicostellata* sp. nov. p. 19, figd., Mid. Devonian, Ontario, **Fagerstrom**.

†*Pholidostrophia nacrea* p. 19, figd., **Fagerstrom**.

†*Rafinesquina simplex* sp. nov. p. 205, figd., Ur. Llandeilo, N. Wales, **MacGregor**.

†*Rhytistrophia cooperi* sp. nov. p. 20, figd., Mid. Devonian, Ontario, **Fagerstrom**.

†*Shaleria* sp. p. 12, figd., **Boucot**, **Martinsson & Thorsteinsson et al.**

†*Strophomena brakteola* p. 24, figd., Silurian, Bulgaria, **Spassow**; cf. *piligera* p. 47, **Oberc & Gorecka**.

STROPHEODONTACEA

†*Douvillina ferquensis* p. 136, figd., **Kannis**.

†*Leptodontella* sp. p. 142, **Gratsianova**.

†*Stropheodonta homolostrata* p. 19, figd., **Fagerstrom**; *murchisoni* p. 12, **Renaud**; *pateroni* p. 143, *nobilis* p. 144, *interstitialis* p. 145, figd., **Gratsianova**; *piligera*, *sedgwicki* p. 136, figd., **Kannis**.

†*Stropheodonta (Brachyprion) fascifer* p. 48, figd., **Castellaro**.

ORTHOTETACEA

†*Chilidiopsis reedsi* p. 75, figd., **Amsden**.

†*Derbyia crassa* p. 27, *crassa* var. *tezana* ? p. 29, figd., **Hoare**; *altestriata* cf. *altestriata* p. 314, cf. *grandis* p. 315, *hemisphaerica* var. *radiata* p. 316, figd., **Shimizu** (1).

†*Derbyoides tapajotensis* p. 18, figd., **Mendes** (1).

†*Fardenia* cf. *ellipsoides* p. 469, figd., *F.* sp. 2 p. 471, figd., **Raasch**, **Norford & Wilson**.

Kiangsiella ? *deltoidens* p. 338, figd., Shimizu (1); *halliana* p. 15, figd., Mendes (1).

†*Orthotetes hindi quadratus* p. 30, *cardiformis trigonus* p. 31, *subsp. nov.*, figd., Ur. Carboniferous, U.S.S.R., Volgin; *kaskaskiensis*, figd., pl. 25, Nelson; *keokuk* p. 96, aff. *kaskaskiensis* p. 97, (?) *ischimicus* p. 98, all figd., Monakhova; *pecten* p. 7, Cavet in Bordet et al.

†*Orthotetina* sp. p. 248, Shimizu.

† ? *Prodovidsonia* sp. p. 63, figd., Drot.

†*Schellwienella alata* p. 61, *desiderata* p. 62, both figd., Root, Rodriguez & Forsyth; *praeumbracula*, *hyponyx* p. 13, Renaud; *ruber* p. 246, *regularis* p. 247, figd., Shimizu; *umbraculum* p. 136, figd., Kannis; sp., figd., pl. 5, Nelson.

†*Schuchertella altaica* p. 143, figd., Gratsianova; *attenuata*, *haraganensis*, *marcidula* p. 75, figd., Amsden; *perplana* p. 62, figd., Root, Rodriguez & Forsyth; aff. *portlockiana* p. 215, figd., *fascifera* p. 217, Sittig; *varicostata* sp. nov. p. 21, figd., Mid. Devonian, Ontario, Fagerstrom; sp. p. 279, figd., Ching; sp. p. 18, Chulpaé.

† "*Schuchertella*" sp. p. 13, figd., Boucot, Martinson & Thorsteinsson et al.

†*Streptorhynchus kayseri* p. 336, *semitplanus* p. 337, figd., Shimizu (1); *pelargonatus* p. 408, figd., Zhang & Ching; *rugosum* p. 98, figd., Monakhova; sp., figd., pl. 4, pl. 15, Nelson; sp. p. 48, Oberer & Gorecka.

† "*Streptorhynchus*" *correanus* p. 21, figd., Mendes (1).

THECIDIACEA

†*Thecidella cristagalli* p. 216, figd., Jurassic, U.S.S.R., Gerasimov.

Thecidellina congregata p. 244, Lowenstam.

Lacazella (*Bifolium*) *wetherelli* p. 311, Peake & Hancock.

Suborder PRODUCTOIDEA

PRODUCTACEA

†*Anidanthus sinensis* p. 409, figd., Zhang & Ching.

†*Antiquatonia betainensis* sp. nov. p. 75, figd., Lr. Carboniferous, Morocco, Hollard; *portlockiana* p. 53, *gallatinensis* p. 54, *hermosanus* p. 56, *coloradoensis* p. 57, all figd., Hoare; diag. of evolution p. 154, Elias.

†*Argentiprionites kiangsiensis* p. 411, figd., Zhang & Ching.

†*Aulosteges dalhousi* p. 327, figd., Shimizu (1); *poyangensis* p. 410, figd., Zhang & Ching.

†*Avonia rushvillensis*, *concentrica* p. 70, both figd., Root, Rodriguez & Forsyth.

†*Buxtonia dengisi* p. 104, figd., Monakhova; (?) *mirabilis* sp. nov. p. 57, figd., Lr. Carboniferous, U.S.S.R., Dedok; *viminialis*, figd., pl. 10, *setigerus* pl. 12, B. sp. pl. 23, Nelson; ? sp. p. 17, figd., Gehrig; sp. p. 279, figd., Ching.

†*Cancrinella boonensis* p. 17, figd., Gehrig; cf. *farleyensis* p. 97, figd., Amos; *undata* p. 106, aff. *venevi* p. 107, both figd., Monakhova.

†*Chonetipustula carringtoniana* p. 12, *concentrica* p. 13, cf. *plicata* p. 14, figd., Chulpaé.

†*Compressopunctus compressa* p. 409, figd., Zhang & Ching.

†*Desmoinesia muricatina* p. 61, *nana* p. 63, figd., Hoare.

†*Diaphragmus elegans*, figd., pls. 26, 27, Nelson.

†*Dictyoclostus agmenis* p. 67, *winchelli*, *varicostatus* p. 68, aff. *D. fernglensis*, D. sp. p. 69, all figd., Mississippian, U.S.A., Root, Rodriguez & Forsyth; *deruptus* p. 115, *karagandensis* p. 117, *crawfordi*, *villensis* p. 118, all figd., Monakhova; *gratiosus*, *yantzeensis* p. 411, figd., Zhang & Ching; *hermosanus*, *inflatus* var. *coloradoensis* p. 18, *morroensis* p. 19, figd., Gehrig; *jasperensis*, *gallatinensis*, *arcuatus* pl. 5, *tenuicostatus* pl. 19, *inflatus*, *parvus* pl. 24, *coloradoensis* pl. 26, *americanus* pl. 28, *burlingtonensis* pl. 12, figd., Nelson.

† "*Dictyoclostus*" sp., figd., pl. 12, Nelson.

†*Echinocochus biserialis*, *genevicensis* pl. 19, *rodeoensis* pl. 25, figd., Nelson; *defensus* p. 105, *punctatus* p. 106, both figd., Monakhova; *semi-punctatus* var. *knighti* p. 19, E. sp. p. 20, figd., Gehrig.

†*Eolyttonia nakazawai* sp. nov. p. 330, figd., Ur. Permian, Japan, Shimizu (1).

†*Gigantopunctus brazerianus*, figd., pl. 22, Nelson; aff. *tulensis* p. 111, var. *kasachstanensis* p. 112, both figd., Monakhova.

†*Geniculifera laevicaudata* sp. nov. p. 92, figd., Carboniferous, Argentine, Amos.

†*Horridonia borealis*, *timanica*, *horrida* p. 76, figd., Permian, U.S.S.R., Stepanov; *horrida* p. 43, *timanica* p. 46, figd., Gobbett.

†*Juresania nebrascensis* p. 69, figd., Hoare; *nebrascensis* p. 20, figd., Gehrig.

†*Kozlowskia haydenensis* p. 59, figd., Hoare.

†*Kutorginella dastarensis* sp. nov. p. 34, figd., Ur. Carboniferous, U.S.S.R., Volgin.

†*Kochiprionites plexicostatus* p. 226, figd., Dunbar.

†*Leptodus* aff. *nobilis* p. 953, figd., Permian, U.S.A., Dutro & Yochelson; aff. *tenuis* p. 89, Bana.

†*Levipustula levis* p. 433, figd., Campbell; *levis* p. 94, figd., Amos.

†*Lipoprionites cora* p. 28, figd., Lr. Carboniferous, Spain, Hernández-Sampelago; *kiangsiensis* p. 326, *interruptus* p. 327, figd., Shimizu (1); *ovatus* pls. 5, 15, 25, ? *minnewankensis* pl. 9, Nelson; *pileiformis* p. 66, figd., Root, Rodriguez & Forsyth; cf. *platymbonus* p. 20, figd., Gehrig; *pratensis* p. 64, *planiventralis* p. 66, *echinatus* p. 67, *distortus* p. 68, all figd., Hoare; *probus* p. 108, *jagoukini* p. 109, both figd., Monakhova; sp. p. 17, figd., Armstrong.

- †*Liosotella grandicosta* p. 226, figd., Dunbar.
- †*Marginiifera* cf. *haydenensis* p. 21, figd., Gehrig; aff. *longispina* p. 49, figd., Oberc & Görecka.
- †*Muirwoodia* ? *aurita* sp. nov. p. 35, figd., Ur. Carboniferous, U.S.S.R., Volgin; *greenlandica* p. 226, figd., Dunbar; *transversa*, figd., pl. 28, *greenlandica* p. 29, Nelson.
- †*Oldhamina* cf. *squamosa* var. *anshunensis* p. 409, figd., Zhang & Ching.
- †*Perigeyerella costellata subquadrata* subsp. nov. p. 408, figd., Ur. Permian, China, Zhang & Ching.
- †*Pleurohorridonia scoresbyensis*, figd., pl. 28, Nelson; *scoresbyensis* p. 226, figd., Dunbar.
- Productus cancrini* p. 85, Likharev; *djidenis* p. 113, *redesdalensis* p. 114, both figd., Monakhova; *semireticulatus*, *corrugatus*, *cora*, *hermosanus*, *gruenwaldti* p. 91, figd., Lr. Carboniferous, Spain, Sampilayo; *semireticulatus*, *corrugatus*, *gruenwaldti* p. 28, figd., Lr. Carboniferous, Spain, Hernández-Sampilayo.
- †*Productus* (*Dictyoclostus*) *gratiosus* p. 323, cf. *margaritatus* p. 324, figd., Shimizu (1).
- †*Productus* (*Eomarginifera*) sp. p. 221, Sittig.
- †*Productus* (*Overtonia*) *lasciniatus* p. 220, figd., *fimbriatus* p. 220, Sittig.
- †*Productella* aff. *bifaria* p. 91, figd., Carboniferous, Argentine, Amos; (?) *caperatiiformis* sp. nov. p. 4, figd., Devonian, Armenia, Abramyan; cf. *hirsutiiformis*, figd., pl. 11, *indianensis* pl. 19, *pyxidata* pl. 5, Nelson; *subaculeata*, *spinulicosta* p. 146, figd., Gratsianova.
- †*Pugilis subscoticus* p. 119, aff. *schwetzovi* p. 121, both figd., Monakhova.
- †*Reticulatia huecoensis* p. 50, *tiawahensis* p. 51, both figd., Hoare; sp. p. 128, figd., Branson (2).
- †*Sinuatella* aff. *mesialis* p. 113, figd., Monakhova.
- †*Sowerbina maynci* p. 226, fig., Dunbar; *maynci*, figd., pl. 29, Nelson.
- †*Spinomarginifera lopingensis*, *pseudosintanensis* p. 412, ? *S. janus* p. 413, figd., Zhang & Ching; *nipponica* sp. nov. p. 244, figd., Ur. Permian, Japan, Shimizu.
- †*Spinulicosta navicella* p. 21, figd., Fagerstrom.
- †*Striatifera* aff. *striata* p. 110, figd., Monakhova.
- †*Strophalosina tibetica* p. 339, figd., Shimizu (1).
- †*Tochernyschewia sinensis* p. 410, figd., Zhang & Ching.
- †*Waagenoconcha payeri* p. 226, figd., Dunbar; spp., figd., pl. 29, Nelson.

Suborder CHONETOIDEA

CHONETACEA

Aegiromeninae subfam. nov. for *Aegiria*, *Chonetoidea*, *Sericoidea* p. 450, Ordovician, Czechoslovakia, Havlíček.

†*Chonetes chonetoides* p. 413, figd., Zhang & Ching; *fuertensis* p. 51, *stappenbecki* sp. nov. p. 53, figd., Silurian, Argentina, Castellaro; cf. *illinoensis* p. 17, figd., Armstrong; *laguassianus* var. *angusta*, *ratingensis* p. 48, Oberc & Gorecka; *mesolobus* p. 92, figd., Lr. Carboniferous, Spain, Sampilayo; aff. *mosensis* p. 30, figd., Lr. Carboniferous, Spain, Hernández-Sampilayo; *ornatus* ? p. 63, *ornatus* var. *glenparkensis*, *tumidus* p. 64, cf. *C. pulchellus*, *C. sp. A* p. 65, *C. sp. B* p. 66, all figd., Mississippian, U.S.A., Root, Rodriguez & Forsyth; *striatus* sp. nov. p. 17, figd., Gehrig; *tenuicostatus* p. 13, Renaud; sp., figd., pl. 5, Nelson.

†*Chonetes* (*Chonetes*) *coronatus* p. 145, figd., Gratsianova; *ischimica* p. 99, *aschliariki*, *wyssotzkii* p. 101, figd., Monakhova; *kamenkensis* sp. nov. p. 104, figd., Lr. Carboniferous, U.S.S.R., Fotieva; *longispinus* p. 15, cf. *zelleri* p. 16, figd., Chulpák; cf. *mosensis* p. 218, Sittig.

†*Chonetes* (*Plicochonetes*) *crassistrius* p. 16, figd., Chulpák; *geniculatus*, *tichonovitchi* sp. nov. p. 105, figd., Fotieva.

†*Chonetes* (*Rugosochonetes*) *demini* sp. nov. p. 101, *kruglovi* p. 102, *dzebolichus* sp. nov. p. 103, *multicostus* p. 104, all figd., Lr. Carboniferous, U.S.S.R., Fotieva; *nalivkini* sp. nov. p. 101, *kinghirica* var. *transversa* p. 103, all figd., Monakhova.

†*Chonetina substrophomenoides* p. 317, cf. *substrophomenoides* p. 318, *matsushitai* sp. nov. p. 319, figd., Ur. Permian, Japan, Shimizu (1).

†*Chonetinella flemingi* var. *crassiradiata* p. 35, figd., Hoare.

†*Chonetoidea aquila* p. 17, figd., Ordovician, Bulgaria, Spassow.

†*Daviesiella canindahensis* sp. nov. p. 86, figd., Maxwell.

†*Eolissochonetes laevis* p. 38, *bilobatus* p. 40, figd., Hoare.

†*Lissochonetes bipartita* p. 320, *morahensis* p. 321, cf. *avicula* p. 322, figd., Shimizu (1).

†“*Lissochonetes*” *jachalensis* nom. nov. for *Chonetes scitula* Leanza (non Hall), 1945, p. 83, *breviseptum* sp. nov. p. 84, figd., Carboniferous, Argentine, Amos.

†*Mesolobus mesolobus* var. *discipiens* p. 42, *mesolobus* var. *euamphygus* p. 44 *mesolobus* var. *lioderma* p. 45, *striatus* p. 46, all figd., Hoare; *mesolobus* p. 21, figd., Gehrig.

†*Paeckelmannia polita* p. 17, figd., Chulpák.

†*Plicochonetes embryo* p. 145, Gratsianova.

†*Rugosochonetes kennedyensis* var. *magnus* p. 87, figd., Maxwell.

Suborder RHYNCHONELLOIDEA

RHYNCHONELLACEA

Abyssothyris wyvillii p. 522, figd., Recent, Muir-Wood; *fijiensis* sp. nov. p. 526, Ur. Miocene-Lr. Pliocene, Elliott.

†*Acanthorhynchia nikitiniensis* sp. nov. p. 216, figd., Jurassic, U.S.S.R., Gerasimov.

†*Acanthothyris* sp. ind. p. 119, figd., **Ronchetti & Sestini**.

†*Amissopecten velox* p. 185, *obsolescens* p. 187, *leidholdi* p. 188, figd., **Havliček** (1).

†*Ancillotoechia ancillans* p. 59, *minerva* p. 60, *radvanyi* sp. nov. p. 62, figd., Silurian, Czechoslovakia, **Havliček** (1).

Argyrotheca bermudana, *lutea*, *lowei* p. 244, **Lowenstam**.

†*Astutorhynchia* gen. nov. p. 105, type species: *Rhynchonella proserpina* Barrande, 1847, p. 107, *astuta* p. 106, *simulans* p. 109, figd., Silurian-Devonian, Czechoslovakia, **Havliček** (1).

†*Belbekella multiformis* p. 125, *multiformis* var. *typica*, figd., p. 126, *multiformis* var. *rotundicosta*, *multiformis* var. *castellanensis* p. 127, figd., *multiformis* var. *contractoides* p. 128, *multiformis* var. *ardescica* p. 129, figd., *lata* p. 130, figd., aff. *lata* p. 132, *lata* var. *minor* p. 133, cf. *nuciformis*, *depressa* p. 134, *gibbsiana* p. 136, aff. *gibbsiana*, *gibbsiana* var. *sayni* p. 137, figd., *gibbsiana* var. *bedouliensis* p. 138, figd., aff. *bertheloti* p. 139, *sulcata*, figd., var. cf. *paucicostata* p. 140, *irregularis* aff. var. *suchumiensis* p. 141, figd., cf. *pecten* p. 142, figd., Lr. Cretaceous, Caucasus, **Popkhadze**; *multiformis multiformis*, *multiformis typica*, *multiformis castellanensis*, *multiformis rotundicosta*, *gibbsiana* p. 383, *polygona*, *bertheloti* p. 384, all figd., **Drushchnits & Kudryavtsev**.

†*Bodrakella bodrakensis* p. 93, figd., **Moisseiev** in Krimholz.

†*Brachythyris* cf. *davidis* p. 95, sp. indet. p. 96, **Maxwell**.

†*Burmhirhynchia* cf. *parva* p. 85, figd., **Desio, Ronchetti & Invernizzi**.

†*Calvinaria* ? *inelegans* sp. nov. p. 178, figd., Ur. Devonian, Canada, **McLaren**.

†*Camarotoechia allani*, figd., pl. 2, **Nelson**; (?) *ascendens* p. 147, figd., **Gratsianova**; *congregata* p. 3, figd., Devonian, U.S.A., **Sartenaer** (2); *laeta* p. 123, figd., **Monakhova**; *nucula* p. 144, **Cavet** (1); *nympha* var. *emaciata* p. 42, *nympha* var. *uralica* p. 43, *nympha* var. *pseudotolonica* p. 44, *strajeskiana* p. 45, all figd., Devonian, U.S.S.R., **Vaganova**; *strugi gnishikensis* subsp. nov. p. 6, figd., Devonian, Armenia, **Abramyan**; *tuta* p. 18, figd., **Armstrong**; *tethys* p. 27, *formosensis* p. 27, *lamellosa*, *ambigua* p. 28, spp. nov., figd., Mid. Devonian, Ontario, **Fagerstrom**; *tuta* var. *hydei* p. 71, figd., **Root, Rodriguez & Forsyth**; *zuanchengensis* sp. nov. p. 278, figd., Lr. Carboniferous, China, **Ching**; sp. p. 67, figd., **Wolfart**.

†“*Camarotoechia*” *modica* p. 77, *famula* p. 78, figd., **Havliček** (1); sp. p. 7, figd., **Boucot, Martinsson & Thorsteinsson et al.**

†*Camerophorina pachyderma* p. 45, figd., **Havliček** (1).

†*Cassidirostrum* gen. nov., type species: *C. pedderi* sp. nov. p. 2, figd., Mid. Devonian, W. Canada, **McLaren**.

Chlidonophora chuni p. 475, length of pedicle discussed, **Rudwick**.

†*Clarkeia antiensis* p. 54, figd., **Castellaro**.

†*Colchidaella colchidaensis* p. 144, figd., Lr. Cretaceous, Caucasus, **Zopkhadze**.

†*Colchidaella (Gagriella) abchasiasiensis* p. 146, figd., Lr. Cretaceous, Caucasus, **Popkhadze**.

†*Coruinopugnax* gen. nov. p. 36, type species: *Rhynchonella corvina* Barrande, 1847, p. 37, Mid. Devonian, Czechoslovakia, **Havliček** (1).

†*Crurirhynchia* gen. nov. p. 96, type species: *C. kiparisovae* sp. nov. p. 97, figd., **Dagys** (1).

†*Cupulastrostrum* gen. nov. p. 2, type species: *C. recticostatum* sp. nov. p. 6, figd., Devonian, U.S.A., **Sartenaer** (4).

†*Cyclothyris* aff. *plicatilis* p. 226, figd., *ventriplanata*, aff. *vespertilio*, *cuvieri*, *baugasi* p. 227, *limbatus* p. 228, all figd., Ur. Cretaceous, U.S.S.R., **Moskvin**.

†*Decoropugnax berenice* p. 34, *ferganicus* sp. nov. p. 36, figd., Silurian, Czechoslovakia, **Havliček** (1).

†*Eoglossinotoechia mystica* sp. nov. p. 154, *sylphidea* p. 158, *cacuminata* p. 162, figd., Silurian-Devonian, Czechoslovakia, **Havliček** (1).

†*Eoparaphorhynchus* gen. nov., type species: *E. maclarensi* sp. nov. p. 2, figd., Ur. Devonian, Western Canada, **Sartenaer** (3).

†*Eucharitina eucharis* p. 132, figd., **Havliček** (1).

†*Euzinella greppini* p. 114, **Antoshchenko**; *iatiurvartaensis*, *robinsoni* p. 69, figd., *skirdaensis*, *eskirdaensis* p. 70, figd., **Moisseiev**.

†*Felinotoechia* gen. nov. p. 73, type species: *Atrypa astuta* var. *felina* Barrande, 1879, p. 74, *audax* p. 75, figd., Silurian-Devonian, Czechoslovakia, **Havliček** (1).

†*Glossinotoechia princeps* p. 167, *gibba* p. 171, *surgens*, *surgens surgens* p. 172, *surgens kotijaensis* subsp. nov. p. 174, *henrici* p. 175, *chlupaci* p. 179, figd., Lr. Devonian, Czechoslovakia, **Havliček** (1).

†*Glossinulus mimicus* p. 136, figd., **Havliček** (1).

†*Goniorhynchia* ? *badensis* p. 87, figd., **Desio, Ronchetti & Invernizzi**; *boueti* p. 228, figd., **Mitra** (2).

†*Greenockia snaringensis*, figd., pl. 2, **Nelson**.

†*Hadrorthynchia* gen. nov. p. 3, type species: *Pugnoides sandersoni* Warren, 1944, p. 4, figd., Mid. Devonian, W. Canada, **McLaren**.

†*Hagabirhynchia* gen. nov. p. 5, type species: *H. arabica* sp. nov. p. 6, figd., Ur. Trias, Arabia, **Jefferies** in **Hudson & Jefferies**.

†*Halorella pamirensis* p. 66, *chindyensis*, *stoliczkai* p. 67, figd., **Moisseiev**.

†*Hebotoechia hebe* p. 119, *ornatrix* sp. nov. p. 121, *compta* p. 123, *nitidula* p. 126, figd., Silurian-Devonian, Czechoslovakia, **Havliček** (1).

Hemithyris plicatodentata p. 211, figd., **Kochansky**; *psittacea* p. 244, **Lowenstam**.

- †*Hirciniscia hircina* p. 67, *hebes* sp. nov. p. 68, *verna* p. 69, *serva* p. 71, *megera* p. 72, figd., Silurian, Czechoslovakia, **Havliček** (1).
- †*Hypothyridina alata* p. 49, *alata* var. *fainecostata* var. nov. p. 50, figd., Devonian, U.S.S.R., **Vaganova**; *euboides* p. 256, *procuboides* p. 257, *margarita* p. 258, **Elliott**.
- †*Isopoma brachyptectum* p. 39, *alecto* p. 40, figd., Lr. Devonian, Czechoslovakia, **Havliček** (1).
- †*Kitakamithyris globosa* sp. nov. p. 101, figd., Lr. Carboniferous, Queensland, **Maxwell**.
- †*Ladogioides* gen. nov., type species: *L. paz* sp. nov. p. 4, figd., Ur. Devonian, W. Canada, **McLaren**.
- †*Lanceomyonia borealiformis* p. 112, *tarda* p. 114, *confinis* p. 116, figd., **Havliček** (1).
- †*Latonotoechia latona* p. 25, *vesta* p. 27, figd., Silurian, Czechoslovakia, **Havliček** (1).
- †*Lacunossella wieniewska* p. 111, cf. *dicipiens*, cf. *malbosi* p. 112, *malbosi* cf. *multicostata* p. 113, cf. *guerini*, *guerini* var. nov. p. 114, *moutoniana* p. 115, *cherensis* p. 116, *cherensis* var. *undulata* p. 117, cf. *eichwaldi* p. 118, *eichwaldi* var. nov. p. 119, *tschernichevi* p. 119, cf. *contracta*, *kvesanensis* p. 120, figd., Lr. Cretaceous, Caucasus, **Popkhadze**; *moutoniana*, *eichwaldi*, *malbosi*, *dicipiens* p. 382, all figd., **Drushchits & Kudryatsev**.
- †*Leiorhynchus carboniferum*, figd., p. 11, **Nelson**; *quadracostatus* p. 963, figd., **Sartenaer**; *rockymontanum* p. 29, figd., **Hoare**; sp. p. 49, figd., **Obero & Górecka**.
- †*Linguopugnoides carens* p. 94, *dulcissima* p. 96, *praeceus* p. 97, *supracarens* sp. nov. p. 98, figd., Silurian-Lr. Devonian, Czechoslovakia, **Havliček** (1).
- †*Lissella* gen. nov. p. 452, type species: *L. booralensis* sp. nov. p. 453, figd., Carboniferous, Australia, **Campbell**.
- †*Markitoechia omisa* sp. nov. p. 150, *marki* p. 151, figd., Lr. Devonian, Czechoslovakia, **Havliček** (1).
- †*Monadotoechia monas* p. 193, *monadina* sp. nov. p. 194, figd., Lr. Devonian, Czechoslovakia, **Havliček** (1).
- †*Montoclarella lineolata* p. 108, ex. gr. *lineolata* p. 109, *semplicata* p. 110, figd., Lr. Cretaceous, Caucasus, **Popkhadze**; *lineolata* p. 385, figd., **Drushchits & Kudryatsev**.
- †*Mucrospirifer bouchardi* p. 762, **Le Maître & Devos**.
- †*Nayunnella* nom. nov. for *Yunnanella* Grabau, A. W., 1931, type species: *Y. synplicata* Grabau, Devonian, China, **Sartenaer** (1).
- †*Nemesa hertae* sp. nov. p. 190, figd., Mid. Devonian, Czechoslovakia, **Havliček** (1).
- Neorhynchia strebeli* p. 524, figd., Recent, **Muir-Wood**.
- †*Norella taurica* p. 66, figd., **Moisseiev**.
- †*Nudirostra athabascensis*, *insculpta* sp. nov. p. 178, *albertensis*, *gibbosa* p. 179, *gibbosa walcottii*, *utahensis ventricosa*, *gibbosa severoni* subsp. nov. p. 180, figd., Ur. Devonian, Canada, **McLaren**; *cuyana* sp. nov. p. 50, figd., Carboniferous, Patagonia, **Amos** (1).
- †*Nymphorhynchia nargis* sp. nov., figd., p. 92, Mid. Devonian, Czechoslovakia, **Havliček** (1).
- †*Omolonella omolonensis* p. 68, figd., **Moisseiev**.
- †*Orbirhynchia parkinsoni* p. 303, *praedispana* p. 305, cf. *compta* p. 306, *weisti* p. 305, *multicostata* p. 305, **Peake & Hancock**.
- †*Orthorhynchula stevensoni* p. 216, **Sutherland**.
- †*Peregrinella multicarinata* p. 384, figd., **Drushchits & Kudryatsev**.
- †*Phoenicitoechia phoenix* p. 103, figd., **Havliček** (1).
- †*Plagiorhynchia thibae* p. 54, *niobe* p. 55, *monaca* p. 57, figd., **Havliček** (1).
- †*Plethorhynchia altera* p. 129, *diana* p. 130, **Havliček** (1).
- †*Pleurocornu* gen. nov. p. 46, type species: *Rhynchonella amissa* p. 47 figd., Silurian, Czechoslovakia, **Havliček** (1).
- †*Praegnantenia* gen. nov., type species: *Terebratula praegnans* Barrande, 1847, p. 99, figd., Lr. Devonian, Czechoslovakia, **Havliček** (1).
- †*Prospira burnettensis* sp. nov. p. 91, *typa*, *typa* var. *tellebangensis* p. 92, figd., Lr. Carboniferous, Queensland, **Maxwell**.
- †*Ptychomaletoechia* gen. nov., type species: *Rhynchonella omaliusi* Gosselot, 1877, Ur. Devonian, W. Canada, **Sartenaer** (3).
- †*Pugnax pugnax* p. 40, figd., Lr. Carboniferous, Spain, **Hernandez-Sampelayo**; aff. *voroni* p. 48, figd., Devonian, U.S.S.R., **Vaganova**.
- †*Pugnoides kakwaensis* sp. nov. p. 176, figd., Ur. Devonian, Canada, **McLaren**; *parvulus*, figd., pl. 21, **Nelson**; (?) *subtetragona* p. 149, figd., **Gratsianova**; *triplex* p. 477, figd., **Parkinson**.
- †*Rhactorhynchia* cf. *coriniensis* p. 86, figd., **Desio, Ronchetti & Invernizzi**.
- †*Rhynchonella batalleri*, *bouchardi*, *bouchardi* var. *flamandi*, *bouchardi* var. *rustica*, *canavari* p. 62, *capellini*, *dumbletonensis* var. *attenuata*, *jurensis* var. *limata*, *falloti*, *gignouzi*, *mengaudi* p. 63, *meridionalis*, *wilfridi* p. 64, *Lias Spain Bataller* (2); *coarctata* p. 80, *coarctata feruglioi* var. nov. p. 83, *hagaviensi*, p. 85, all figd., **Pointingher**; *concinna* p. 177, *morieri concinnoides*, *elegantula* p. 178, **Rollet**; *inflata* sp. nov. p. 17, figd., Ur. Jurassic, Abyssinia, **Jaboli**; *monaca* p. 144, figd., **Cavet** (1); *rouillieri* p. 218, *loxiae* p. 219, figd., Ur. Jurassic, U.S.S.R., **Gerasimov**; *tetraedra* p. 182, Mid. Lias, Spain, **Moreno**; *variabilis*, var. *fronto*, var. *aquamilex* p. 85, *megabiensis*, *livadiensis*, *borisjaki* p. 86, *persinuata* p. 87, all figd., **Moisseiev** in **Krimholz**; *wollosowitschi* p. 73, figd., **Moisseiev**.
- †*Rhynchonella palmata* p. 6, *flabellum* p. 7, aff. *verrii*, *fraasi* p. 9, figd., *alberti* p. 10, figd., Jurassic, Italy, **Selli**.
- †“*Rhynchonella*” aff. *carteri* p. 303, **Peake & Hancock**; cf. *emerici* p. 148, figd., Lr. Cretaceous, Caucasus, **Popkhadze**; *henrici* var. *exarata*, var. *exarata* p. 195, var. *extenuata*, var. *laminaris*, var. *vellerosa* p. 196, *princeps* var. *jejuna*, var. *macilenta*, var. *psyche* p. 197, var. *velleris*, var. *eudora*, *proserpina* var. *volitans*, *nympha* var. *emaciata* p. 198, *nympha*

var. *interpolata*, *barbara*, *cognata*, *oblita* p. 199, *obscura*, *oriens*, *pseudo-cuneata*, *deflexa* p. 200, *draboviensis*, *grossi*, *incepta*, *irregularis*, *membranifera* p. 201, *percostata* p. 202, **Havliček (1)**; sp. p. 456, **Middlemiss**.

†*Rhynchonella* (*Acanthorhynchia*) *rothpletzi* p. 26, figd., **Jaboli**.

†*Rhynchonella* (*Daghanirhynchia*) *daghaniensis* p. 23, *subversabilis* p. 24, *D. sp. nov.* indet. p. 25, all figd., Ur. Jurassic, Abyssinia, **Jaboli**.

†*Rhynchonella* (*Cyclothyrus*) *alemanica* p. 220, figd., Ur. Jurassic, U.S.S.R., **Gerasimov**.

Rhynchonella (*Hemithyrus*) cf. *psittacea* p. 15, figd., **Askelsson**.

†*Rhynchonella* (*Septaliphoria*) *vorobievensis* p. 221, (*Septaliphoria* ?) *fischeri* p. 222, (*Septaliphoria*) *corallina* var. *neocomiensis* p. 223, *oxyptycha* p. 224, *acuticosta*, *badensis* p. 225, aff. *baksanensis* p. 226, all figd., Ur. Jurassic, U.S.S.R., **Gerasimov**.

†*Rhynchonella* (*Septirhynchia*) *azaisi* p. 26, figd., **Jaboli**.

†*Rhynchonella* (*Somalirhynchia*) *africana* p. 18, var. *mesoloba* p. 20, var. *gureuensis* f. nov. p. 21, *somalica* p. 22, figd., Ur. Jurassic, Abyssinia, **Jaboli**.

†*Rhynchonella* (*Thurmanella*) *thurmanni* p. 221, figd., Ur. Jurassic, U.S.S.R., **Gerasimov**.

†*Rhynchonella* (*Thurmanella*) *gemmellaroi* p. 11, *gemmellaroi* *procera* var. nov. p. 12, figd., Jurassic, Italy, **Selli**.

†*Rhynchonelloidea* sp. p. 15, figd., **Askelsson**.

†*Rhynchonellopsis* *yailaensis* p. 93, var. *pœlinevi*, *pontica* p. 94, figd., **Moisseiev** in Krimholz.

†*Rhynchopora* ? *cooperensis*, *persinuata* p. 71, figd., Mississippian, U.S.A., **Root, Rodriguez & Forsyth**; *persinuata* p. 20, figd., **Armstrong**.

†*Rhynchotreia* *cuneata* p. 64, figd., **Havliček (1)**; *usheri*, figd., pl. 3, **Nelson**.

†*Robinsonella* *mastakanensis* p. 71, figd., **Moisseiev**.

†*Rostricellula* *ambigena* p. 50, *myrmex* p. 52, figd., **Havliček (1)**; *triangularis* p. 201, figd., **MacGregor**.

†*Rugaltrostrum* gen. nov., type species: *Leiorhynchus madisonense* Haynes, 1916, p. 6, figd., Ur. Devonian, W. Canada, **Sartenaer (3)**.

†*Salgirella* *alberti* p. 91, *greppini* p. 92, figd., **Moisseiev** in Krimholz.

†*Septalaria* (?) *transuralica* p. 51, *transuralica* var. *micula* var. nov. p. 52, figd., Devonian, U.S.S.R., **Vaganova**; *palumbina* p. 182, *matercula* p. 183, figd., **Havliček (1)**.

†*Septaliphoria* *corallina* var. *neocomiensis* p. 121, figd., *taschensis*, *globulosa* p. 123, Lr. Cretaceous, Caucasus, **Popkhadze**; *curviceps*, *pontica* p. 88, *kunkaensis*, *almaensis*, *balhanensis* p. 89, *vigilaensis* sp. nov., *najahensis* sp. nov., *yaltaensis* p. 90, all figd., Jurassic, U.S.S.R., **Moisseiev** in Krimholz; *fissicostata* p. 72, figd., **Moisseiev**.

†*Shumardella* cf. *missouriensis*, figd., pl. 2, **Nelson**.

†*Sicorhynchus* gen. nov. p. 28, type species: *Stegerhynchus trinacrius* Havliček, 1956, p. 29, *trinacria tenuirostris* subsp. nov. p. 30, *trinacria trinacria* p. 31, *amalthia* p. 32, all figd., Lr. Devonian, Czechoslovakia, **Havliček (1)**.

†*Sinotectirostrum* gen. nov. p. 3, type species: *S. medicinale* sp. nov. p. 4, figd., Ur. Devonian, W. Canada, **Sartenaer (3)**.

†*Sphenorhynchia* aff. *plicatella* p. 117, figd., **Ronchetti & Sestini**.

†*Stenosisma* *jingzianensis* sp. nov. p. 404, figd., Ur. Permian, China, **Zhang & Ching**.

†*Stegerhynchus* *daphne* p. 80, *infelix* p. 82, *incohans* sp. nov. p. 83, *nympha* p. 85, aff. *nympha* p. 87, *pseudolivonicus* p. 88, figd., Silurian-Devonian, Czechoslovakia, **Havliček (1)**.

†*Suaella* *weberi* p. 381, figd., **Drushchits & Kudryavtsev**.

†*Sulcirhynchia* *valangiensis* p. 147, figd., Lr. Cretaceous, Caucasus, **Popkhadze**.

†*Tteracamera* *subcuneata*, cf. *subtrigona* p. 19, figd., **Armstrong**.

†*Tetradomia* *amanshauseri elegans*, p. 43, figd., **Havliček (1)**.

†*Trifidostellum* gen. nov., type species: *Leiorhynchus dunbarens* Haynes, 1916, p. 5, figd., Ur. Devonian, W. Canada, **Sartenaer (3)**.

†*Trigonirhynchia* [preoc. Cooper] p. 94, type species: *T. trigona* sp. nov. p. 95, figd., Trias, U.S.S.R., **Dagys (1)**.

†*Unsinulus* *naliivkini*, *subsignatus* p. 148, figd., **Gratsianova**; *maledictus* p. 140, *maledictus altifrons* subsp. nov. p. 141, *maledictus maledictus* p. 143, *knjaspenis* p. 144, *pentagonus* p. 146, *pentagonus pentagonus* p. 147, *minor*, *minor minor* p. 148, figd., Lr-Mid. Devonian, Czechoslovakia, **Havliček (1)**; *pila* p. 136, figd., **Kannis**.

†*Uncinunellina* *timorensis* p. 404, figd., **Zhang & Ching**.

†*Wellerella* *multiplicata* sp. nov. p. 10, figd., Mid. Pennsylvanian, U.S.A., **Gehrig**; *tetrahedra* p. 31, *osagensis* ? p. 32, both figd., **Hoare**.

†*Wilsonella* *princeps* p. 46, *knjaspenis* p. 47, Devonian, U.S.S.R., **Vaganova**.

STENOCISMATACEA

†*Stenosisma* *rhomboidalis*, *halli* sp. nov. p. 29, figd., Mid. Devonian, Ontario, **Gagerstrom**.

RHYNCHOPORACEA

†*Rhynchopora* *kochi* p. 228, figd., **Dunbar**.

Suborder ATRYPOIDEA

ATRYPACEA

†*Anabais paraia* p. 66, figd., Wolfart.

†*Atrypa aspera* p. 136, figd., Kannis; *devoniana* var. *mutationalis*, *devoniana* var. *descrescens* p. 53, *flabellata* p. 54, *scaberbra* p. 55, all figd., Devonian, U.S.S.R., Vaganova; *hircina* p. 144, *sapho*, *solitaria* p. 143, both figd., Cavet (1); *imbricata* p. 7, Cavet in Bordet et al.; *norashenensis* sp. nov. p. 51, figd., Devonian, A.S.S.R., Mamedov; *reticularis* p. 49, Obere & Görecka; *tubacostata* var. *ertichensis* var. nov. p. 7, figd., Devonian, Armenia, Abramyan; *zonata* p. 17, figd., Parasitic attachment shown, Devonian, Poland, Biernat; sp. 1, sp. 2 p. 469, figd., Raasch, Norford & Wilson.

†*Atrypa* (*Desquamatia*) *khavae* sp. nov. p. 423, figd., Alexeeva.

†*Atrypina acutiplicata* p. 58, figd., Castellaro.

†*Australina jachalensis* p. 60, figd., Castellaro.

†*Carinata arimaspas* p. 60, *arimaspas* var. *symatica* var. nov. p. 61, *arimaspas* var. *minor* p. 62, *signifera* var. *localis* p. 63, *paradoxa* p. 64, all figd., Devonian, U.S.S.R., Vaganova.

†*Coelospira* ? cf. *hemisphaerica* p. 65, figd., Wolfart; sp. p. 11, figd., Boucot, Martinsson & Thorsteinsson et al.

†*Dentatrypa* gen. nov. p. 57, type species: *Atrypa kolymensis* Nalivkin, 1935, p. 58, *kolymensis* var. *intermedia* p. 59, all figd., Devonian, U.S.S.R., Vaganova.

†*Glossia variabilis* p. 469, figd., Raasch, Norford & Wilson.

†*Gruenewaldtia latilinguis*, *latilinguis latilinguis*, *latilinguis elegans* subsp. nov., *apsaklina* sp. nov., Devonian, Germany, Struve.

†*Invertrypa* gen. nov., type species: *Spinatrypa kelusiana* Struve, 1956, p. 334, figd., *fasciplicata* sp. nov. p. 334, figd., Devonian, Germany, Struve.

†*Kerpina* gen. nov., type species: *K. vineta* sp. nov. p. 333, figd., *vineta vineta*, *vineta goniorhyncha* subsp. nov. p. 333, figd., *atrypoides* sp. nov. p. 334, figd., Devonian, Germany, Struve.

†*Lissatrypoides concentrica* p. 138, figd., Amsden (1).

†*Plectatrypa* (?) *carpulentata* sp. nov. p. 65, figd., Devonian, U.S.S.R., Vaganova.

†*Punctatrypa fossa* sp. nov. p. 56, figd., Devonian, U.S.S.R., Vaganova.

Suborder SPIRIFEROIDEA

SPIRIFERACEA

†*Ambocoelia telleri* p. 407, figd., Zhang & Ching.

†*Acrospirifer tonkinensis* p. 453, *cheechiel* p. 455, *papaensis* p. 456, all figd., Hou.

†*Aulopora* sp., Paleogeology of, p. 504, figs., Mid. Devonian, China, Chang.

†*Alispirifer* gen. nov. p. 434, type species: *A. laminosus* sp. nov. p. 435, *laminosus undatus* subsp. nov., figd., Carboniferous, Australia, Campbell.

†*Brachythyris athbasarica* p. 132, *kazakhstanensis* sp. nov. p. 133, figd., Lr. Carboniferous, U.S.S.R., Monakhova; (?) *italicensis* sp. nov. p. 67, figd., Devonian, U.S.S.R., Vaganova; *peculiaris*, figd., pl. 3, *mortonianus* pl. 10, Nelson; *suborbicularis* p. 24, figd., Armstrong; *pseudograticilis* sp. nov. p. 58, figd., Lr. Carboniferous, U.S.S.R., Dedok.

†*Brachythyris pinguisformis* p. 52, figd., Obere & Görecka.

†*Choristites mosquensis* p. 36, figd., Lr. Carboniferous, Spain, Hernandez-Sampelayo; *praevalongensis*, *sowerbyi*, *komiensis*, *ustinovi* ex. gr. *jigulensis* p. 113, Barkhatova; *soderberghi* p. 228, figd., Dunbar.

†*Condorothyris perplexa* p. 82, figd., Hoare.

†*Crurithyris planoconvexa* p. 81, figd., Hoare; *inflata* p. 761, Le Maitre & Devos.

†*Cyrtospirifer verneuili* p. 49, figd., var. *lonadali*, var. *grabau*, figd., var. *archiaciformis* p. 51, figd., Ur. Devonian, Poland, Obere & Görecka; *verneuili*, *grabau*, *malaisei*, *supradisjunctus* p. 762, Le Maitre & Devos.

†*Delthyris* cf. *sulcatus* p. 144, Cavet (1).

†*Dimegelasma neglectum* p. 27, figd., Armstrong.

†*Dmitria subgen. nov.* p. 80, type species: *Spirifer* (*Cyrtospirifer*) *romanovskii*, figd., p. 81, *ellipticus* sp. nov. p. 83, Ur. Devonian, U.S.S.R., Sidiachenko (1).

†*Ectochoiristites watti* p. 93, figd., Maxwell.

†*Elythia formosensis* sp. nov. p. 30, figd., Mid. Devonian, Ontario, Fagerstrom; *frequens* p. 150, figd., Gratsianova; *transversa* p. 459, figd., Hou.

†*Elythina salairica* p. 149, *grigorievi* p. 150, figd., Gratsianova.

†*Eochoristites neipentaisensis alatus* p. 276, *nepentaisensis lungtanensis* subsp. nov., *leei* p. 277, figd., Lr. Carboniferous, China, Ching.

†*Eospirifer karmanovi* var. *instabilis* var. nov., Devonian, U.S.S.R., Vaganova.

†*Fimbriospirifer divaricatus* p. 31, *tricostatus* sp. nov. p. 32, figd., Mid. Devonian, Ontario, Fagerstrom.

†*Howellella* sp. p. 8, figd., Boucot, Martinsson & Thorsteinsson et al.

†*Hysterolites* (*Acrospirifer*) *arduennensis arduennensis* p. 14, Renaud.

†*Ilmenia waganovi* sp. nov. p. 68, figd., Devonian, U.S.S.R., Vaganova.

†*Indospirifer chui* p. 457, *kwangsiensis* sp. nov. p. 458, figd., Lr. Devonian, China, Hou.

†*Ingelarella denmeadi* p. 171, *profunda* p. 174, *valida*, *ovata* p. 177, *symmetrica* p. 179, *undulosa* p. 180, *isbelli* p. 181, *globosa* p. 184 spp. nov., *ingelarensis*, *mantuanensis* p. 185, all figd., Permian, Australia, Campbell (1).

†*Kozłowskiellina* (*Megakozłowskiella*) *submersa* p. 30, figd., **Fagerstrom**.

†*Martinia elegans* p. 337, figd., **Shimizu** (1); *glabra* p. 53, figd., **Oberé & Görecka**; aff. *glabra* p. 32, figd., Lr. Carboniferous, Spain, **Hernández-Sampelayo**; *greenlandica* p. 228, figd., **Dunbar**; *neoproductoides* sp. nov. p. 95, figd., **Maxwell**; *orbicularis* p. 405, *sempilana*, *lopingensis* p. 406, *aquamularioides* p. 407, all figd., **Zhang & Ching**; *rostrata*, figd., pl. 4, **Nelson**.

†*Martiniopsis plicata* sp. nov. p. 134, figd., Lr. Carboniferous, U.S.S.R., **Monakhova**.

†*Metaplasia uniplicata* sp. nov. p. 30, figd., Mid. Devonian, Ontario, **Fagerstrom**.

†*Mucrospirifer* sp. p. 504, figd., Paleocology of, Devonian, China, **Chang**.

†*Neospirifer goreii* p. 74, *goreii* var. *brevimarginatus* p. 75, *cameratus* p. 76, *triplicatus* p. 78, *triplicatus* var. *alatus* † p. 79, *latus* p. 80, all figd., **Hoare**; *lungtanensis* sp. nov. p. 274, figd., Lr. Carboniferous, China, **Ching**; *triplicatus* var. *gibbosus* p. 14, cf. *latus* p. 15, figd., **Gehrig**; sp. p. 340, figd., **Shimizu** (1).

†*Neophricodothyris asiatica* p. 405, figd., **Zhang & Ching**.

†*Notospirifer hillae* p. 185, *hillae* *plicata* subsp. nov., *extensus* sp. nov. p. 187, *extensus tweedalei* subsp. nov. p. 188, all figd., Permian, Australia, **Campbell** (1).

†*Orulganina* gen. nov. p. 61, type species: *O. namovi* sp. nov. p. 62, *einori* sp. nov. p. 63, *sibirica* p. 64, all figd., Lr. Carboniferous, U.S.S.R., **Solomina & Tschernjak**.

†*Paulonia ranovensis arctica* subsp. nov. p. 59, figd., Lr. Carboniferous, U.S.S.R., **Dedok**.

†*Phricodothyris booralensis*, *immensa* sp. nov., figd., Carboniferous, Australia, **Campbell**; *perpleza* p. 16, figd., **Gehrig**; sp. p. 224, **Sittig**; sp., figd., p. 405, **Zhang & Ching**.

†*Platyrachella rutherfordi*, figd., pl. 3, **Nelson**.

†*Pterospirifer alatus* p. 228, figd., **Dunbar**.

†*Pustulatia pustulosa* p. 190, **Le Maitre**.

†*Reticularia pseudolineata* p. 136, *conquisita* sp. nov. p. 137, figd., Lr. Carboniferous, U.S.S.R., **Monakhova**.

†*Reticulariina* cf. *spinosa* p. 11, figd., **Gehrig**.

†*Retziispirifer* gen. nov. p. 929, type species: *R. uriensis* sp. nov. p. 930, figd., Devonian, U.S.S.R., **Kulkov**.

†*Spirifer albertensis*, *esplanadensis* pl. 3, *cavecreekensis*, *matheri* p. 27, *rundlensis*, *banffensis* pl. 10, *leidy* pl. 23, *forbesi*, *minnewankensis*, *cascadensis*, *rouleyi*, *greenockensis* pl. 7, *bifurcatus* pl. 15, figd., **Nelson**; *baiani*, *toyani* p. 124, *akkuduki*, *aschliariki* p. 125, *kazakhstanensis*, *karagandae* p. 126, aff. *nalievini* p. 127, all figd., **Monakhova**; *bisulcatus* p. 222, figd., cf. *convolutus* p. 223, **Sittig**; *bouchardi* p. 136, figd., **Kannis**; *centronatus* p. 20, *centronatus ladronensis* p. 21, *louisianensis* p. 22, *tenuicostatus* p. 23, *grimesi* p. 24, all figd., **Armstrong**; *invalidistriatus* p. 73, *winchelli*, *striatiformis* p. 74, S. sp. p. 75,

all figd., Mississippian, U.S.A., **Root, Rodriguez & Forsyth**; *iouensis*, figd., pl. 1, showing epifauna, **Ager**; *occidentalis* p. 15, *rockymontanus* p. 16, figd., **Gehrig**; *opimus* p. 70, *rockymontanus* p. 72, *occidius* p. 73, all figd., **Hoare**; *striato-paradoxus* p. 228, figd., **Dunbar**; *subspeciosus* p. 14, **Renaud**; *tornacensis*, *gröberi*, cf. *mucronatus* p. 51, figd., aff. *pentagonus*, cf. *carinatus* p. 52, figd., Ur. Devonian, Poland, **Oberé & Görecka**; *trileucatus* p. 33, *bisulcatus trigonalis* p. 34, *planatus* p. 33, figd., Lr. Carboniferous, Spain, **Hernández-Sampelayo**; (?) sp. p. 160, **Cavet** (1).

†“*Spirifer*” cf. *ufensis*, figd., pl. 28, **Nelson**.

†*Spirifer* (*Acrospirifer*) *arduennensis* p. 136, figd., **Kannis**; *pellico*, *paradoxus* p. 15, **Renaud**.

†*Spirifer* (*Brachythyrina*) *strangwaiei* p. 34, figd., Lr. Carboniferous, Spain, **Hernández-Sampelayo**.

†*Spirifer* (*Costispirifer*) *trigeri* p. 136, figd., **Kannis**.

†*Spirifer* (*Cyrtospirifer*) *verneuili* p. 136, figd., **Kannis**.

†*Spirifer* (*Lytha*) *plenus* p. 128, figd., **Monakhova**.

†*Spirifer* (*Tylothyris*) *laminosus* p. 130, *increditus* sp. nov. p. 131, figd., Lr. Carboniferous, U.S.S.R., **Monakhova**.

†*Spiriferella keilhavi* p. 228, figd., **Dunbar**; *saranal*, figd., pl. 29, *plena* pl. 9, **Nelson**.

†*Squamularia indica* p. 333, cf. *calori* p. 334, *elegantula* p. 335, figd., **Shimizu** (1).

†*Torynifer microspinus* p. 134, *sibiricus* p. 136 sp. nov., Carboniferous, U.S.S.R., **Benediktova**; *pseudolineata* p. 76, figd., **Root, Rodriguez & Forsyth**; *setigera*, figd., pl. 27, **Nelson**.

†*Triadispira* gen. nov. p. 457, type species: *T. caucasica* sp. nov. p. 458, figd., Trias, Caucasus, U.S.S.R., **Dagys**.

†*Tingella bicollina* sp. nov. p. 332, figd., Devonian Germany, **Struve**.

†*Undispirifer rzhonsnizhajae* sp. nov. p. 53, figd., Devonian, A.S.S.R., **Mamedov**.

PUNCTOSPIRACEA

†*Cyrtina demarllii* p. 52, figd., Ur. Devonian, Poland, **Oberé & Görecka**; *heteroclita* p. 151, **Gratsianova**; *suesii* p. 74, figd., **Moisseiev**; ? sp. p. 9, figd., **Boucot, Martinsson & Thorsteinsson et al.**

†*Eospiriferina nakaoingensis* p. 452, *wangi* p. 453, both figd., **Hou**.

†*Hustedia mormoni* p. 10, figd., **Gehrig**; *mormoni* p. 86, figd., **Hoare**.

†*Liriplica* gen. nov. p. 440, type species: *L. alta* sp. nov. p. 441, Carboniferous, Australia, **Campbell**.

†*Punctospirifer cristata* p. 228, figd., **Dunbar**; *depressus* p. 72, figd., **Root, Rodriguez & Forsyth**; *kentuckyensis* p. 84, figd., **Hoare**; *kentuckyensis* [sic] p. 11, figd., **Gehrig**; *solidirostris*, figd., pl. 5, *transversa* p. 25, **Nelson**.

†*Pseudosyrinx plenus*, *mylkensis* sp. nov. p. 168, figd., Lr. Carboniferous, China, Yan & Chahan.

†*Spinulopica* gen. nov. p. 442, type species: *S. spinulosa* sp. nov. p. 433, figd., Carboniferous, Australia, Campbell.

†*Spiriferellina* cf. *insculpta* p. 225, figd., Sittig.

†*Spiriferina abichi* p. 7, figd., Jefferies in Hudson & Jefferies; *alpina* p. 94, var. *falloti*, *moeschi* var. *krinastonoensis*, *obtusata* p. 95, *angulata*, *tumida*, *haueri*, *walcotti* p. 96, *collenoti*, *yaltaensis* p. 97, figd., Moisseiev in Krimholz; *alpina* p. 14, *rostrata* p. 15, *gryphoidea* p. 16, *obtusata*, p. 17, *aesontina* sp. nov. p. 18, *dawsoni* p. 19, figd., cf. *sicula* p. 19, Jurassic, Italy, Selli; var. *falloti*, *sampelayoi* p. 64, Lias, Spain, Bataller (2); *multiplicata* p. 228, figd., Dunbar; aff. *spinosa* p. 138, figd., Monakhova.

†*Syringothyris altaica*, cf. *texta* p. 166, figd., Lr. Carboniferous, China, Yan & Chang; ? *bifida* sp. nov. p. 445, figd., Carboniferous, Australia, Campbell; *herricki* p. 75, *typus* var. *waverliensis* p. 76, figd., Root, Rodriguez & Forsyth; *textus* pl. 9, figd., Nelson; ? sp. p. 226, Sittig.

ATHYRACEA

†*Amphiclina taurica* p. 77, figd., Moisseiev.

†*Athyris amanshanensis*, *adepressioria* p. 53, figd., Ober & Görecka; *concentrica* p. 761, *betencourti* p. 782, *Le Maître & Devos*; ? *danzikensis* sp. nov. p. 55, figd., Devonian, A.S.S.R., Mamedov; *lamellosa* p. 77, figd., Root, Rodriguez & Forsyth; *lamellosa* p. 141, figd., Monakhova; aff. *lamellosa* p. 25, figd., Armstrong; *oryzopolos* p. 75, *manzovini*, *worobieri* p. 76, all figd., Moisseiev; *submabranacea* nullo-*spiroides* subsp. nov. p. 277, figd., Lr. Carboniferous, China, Ching.

†*Athyris* (C[e]thyridina) *obmazima* p. 141, *sublamellosa* p. 142, *parvirostrata* p. 143, all figd., Monakhova.

†*Athyris* (Composita) *subquadrata* p. 143, *trinuclea* p. 144, figd., Monakhova.

†*Cleiothyridina hirsuta*, *obmazima* p. 26, figd., Armstrong; *lata*, *obmazima* pl. 4, pl. 7, *sublamellosa* pl. 19, figd., Nelson; *nielsenii* p. 228, figd., Dunbar; *orbicularis* p. 87, figd., Hoare.

†*Composita argenea*, *derrya* sp. nov. p. 12, *malaya* sp. nov., *ovata*, *subtilita* p. 13, C. sp. p. 14, all figd., Mid. Pennsylvanian, U.S.A., Gehrig; *athabaskensis*, *immatura*, *humilis*, figd., pl. 4, *trinuclea* pls. 15, 24, *deltoides* pl. 21, *subquadrata* pl. 27, Nelson; *longa* sp. nov. p. 407, figd., Ur. Permian, China, Zhang & Ching; *magnicarina* sp. nov. p. 448, figd., C. sp. p. 449, Carboniferous, Australia, Campbell; *subtilita* p. 89, *ovata* p. 90, *elongata* p. 91, *tetralobata* p. 92, all figd., Hoare.

†*Eumetria costata* p. 139, *circula* sp. nov. p. 140, figd., Lr. Carboniferous, U.S.S.R., Monakhova; *vera* pl. 27, figd., Nelson; ? sp. p. 78, figd., Root, Rodriguez & Forsyth.

†*Merista pinguivola* sp. nov. p. 73, figd., Devonian, U.S.S.R., Vaganova.

†*Meristella nasuta*, *barrisi* p. 33, figd., *formosensis*, *angustisinuata* p. 33, *subrotunda* p. 34 spp. nov., figd., Mid. Devonian, Ontario, Fagerstrom; (?) *rostellata* sp. nov. p. 70, *ischernyschevi* var. *perfaceta* var. nov. p. 71, figd., Devonian, U.S.S.R., Vaganova.

"*Meristella*" *sougyi* sp. nov. p. 27, Devonian, Sahara, Drot (1).

†*Misolia neotlingii* p. 10, figd., *lenticulata* sp. nov. p. 11, figd., Jefferies in Hudson & Jefferies.

†*Protathyris* sp. p. 10, figd., Boucot, Martinsson & Thorsteinsson et al.

†*Retzia* (?) ex. gr. *adrieni* p. 151, *Gratsianova*; *caucasica* p. 74, figd., Moisseiev.

†*Spirigera planosulcata* p. 32, figd., Lr. Carboniferous, Spain, Hernández-Sampelayo.

†*Trigieria oliviani* p. 136, figd., Kannis.

Suborder TEREBRATULOIDEA

TEREBRATULACEA

†*Adygella* gen. nov. p. 25, type species: *A. cubanica* sp. nov. p. 27, figd., Trias, U.S.S.R., Dagys (2).

†*Adygeloides* gen. nov. p. 28, type species: *A. labensis* sp. nov. p. 29, figd., Trias, U.S.S.R., Dagys (2).

†*Afilasma* gen. nov., type species: *A. beecheri* sp. nov. p. 460, figd., Ur. Devonian, U.S.A., Stehli (1).

†*Alwynia* gen. nov., type species: *Dielasma vesiculare* de Koninck, 1887, p. 464, figd., Viséan (Mississippian), Belgium and England, Stehli (1).

†*Antinomya* [sic] *diphyia* p. 376, figd., Drushchits & Kudryavtsev.

†*Beecheria bovidens* p. 33, figd., Hoare.

†*Biarea* gen. nov. p. 75, type species: *B. sinuata* sp. nov. p. 76, figd., Devonian, U.S.S.R., Vaganova.

†*Booralia* gen. nov. p. 449, type species: *B. ovata* sp. nov. p. 450, figd., Carboniferous, Australia, Campbell.

†*Carneithyris carnea*, *circularis* p. 228, figd., Ur. Cretaceous, U.S.S.R., Moskvina.

†*Coenothyris vulgaris* p. 185, Merki.

†*Concinnithyris ootatoorensis* p. 7, figd., *indo-albensis* p. 8, *rectithyroides* p. 9, *andurensis* p. 10 spp. nov., *andurensis* var. *brevirostris* var. nov., *obesa* p. 11, *acutiplicata* sp. nov. p. 13, all figd., Cretaceous, India, Sahni; aff. *albensis*, *subundata* p. 303, *bulla* p. 305, Peake & Hancock; aff. *fallax* p. 229, figd., Moskvina.

†*Craenaena romingeri* p. 35, figd., Fagerstrom.

†*Cryptonella* (?) *assueta* sp. nov. p. 74, (?) *schegultanica* sp. nov. p. 75, figd., Devonian, U.S.S.R., Vaganova; *lens* p. 35, figd., Fagerstrom.

†*Cubanothyris* gen. nov. p. 35, type species: *C. elegans* sp. nov. p. 36, figd., Trias, U.S.S.R., Dagys (2).

- †*Dictyothyris coarctata* p. 178, Rollet.
- †*Dielasma angulata* sp. nov. p. 22, figd., Gehrig; *chouteauensis*, figd., pl. 5, *oecolensis* pl. 10, *schumardianum* pl. 25, Nelson; *chouteauensis* p. 26, figd., Armstrong; *elongatum* p. 228, figd., Dunbar.
- †*Fletcherina* gen. nov. p. 452, type species: *Terebratula amygdala* Dana, 1847, *inversa* p. 453, figd., Permian, Australia, Stehli.
- †*Gacina* gen. nov. p. 458, type species: *G. moorefieldensis* sp. nov. p. 459, figd., Mississippian, U.S.A., Europe, Stehli (1).
- †*Gibbithyris indica* p. 28, *carneiformis* p. 30 spp. nov., cf. *hibernica* p. 28, var. *compressa* p. 31 var. nov., all figd., Cretaceous, India, Sahni.
- †*Gilledia* gen. nov., type species: *Terebratula cymbaeformis* Morris, 1845, p. 451, figd., Permian, Australia, Stehli.
- †*Geranocephalus* gen. nov., type species: *G. inepensis* sp. nov. p. 157, figd., Mid. Devonian, Canada, Crickmay.
- †*Girtyella flora* p. 78, figd., Root, Rodriguez & Forsyth; *turgida* p. 19, *indianensis* pl. 21, *brevilobata* pl. 24, figd., Nelson.
- †*Hustedia grandicostata* p. 328, *indica* p. 329, figd., Shimizu (1).
- †*Juralina* gen. nov., type species: *J. procerus* sp. nov. p. 29, aff. *procerus* p. 32, *rauraca* p. 33, *repeliniana* p. 35, *graciosa* p. 37 sp. nov., *gensoriensis* p. 39, *bullingtonensis* p. 40, *nalivkini* sp. nov. p. 42, *cotteau* p. 44, *babugani* p. 46, aff. *babugani* p. 48, *carus* p. 49 spp. nov., all figd., Ur. Jurassic, U.S.S.R., Kyansep.
- †*Lobothyris perfecta* p. 51, *schmidti* p. 53, *subformosa* p. 54, *crimca* sp. nov. p. 56, *baltzeri* p. 58, figd., Ur. Jurassic, U.S.S.R., Kyansep; *punctata* p. 86, figd., Pointingher.
- †*Lowenstamia* gen. nov. p. 460, type species: *L. tezana* sp. nov. p. 461, figd., Permian, U.S.A., Stehli (1).
- Lyothyrina* [sic] *miocenica* p. 214, Kochansky.
- †*Moraviaturia* gen. nov., type species: *Terebratula diphimorpha*, 1872, p. 19, figd., Cenomanian, India, Sahni.
- †*Mutationella falklandica* p. 15A, Boucot & Caster.
- †*Neumayrithyris demirkapuenensis* sp. nov. p. 77, *carsiensis* p. 78, figd., Ur. Jurassic, U.S.S.R., Kyansep.
- †*Notothyris warthi* p. 413, *subnucleolus* sp. nov. p. 414, figd., Ur. Permian, China, Zhang & Ching.
- †*Nucleata hippopus* p. 376, figd., Drushchits & Kudryavtsev.
- †*Ornatothyris pentagonalis*, aff. *pentagonalis*, *obtusa* p. 303, Peake & Hancock.
- †*Ornatothyris* [sic] *dubia* p. 229, *rara*, *sulcovalis*, (?) *faxensis* p. 230, figd., Ur. Cretaceous, U.S.S.R., Moskv. n.
- †*Pakistania* gen. nov. p. 462, type species: *Dielasma bplex* Waagen, 1882, *schucherti* p. 463, figd., Permian, U.S.A., Pakistan, Timor, Italy, Stehli (1).
- †*Parathyridina mazicana* sp. nov. p. 24, *mexicana bicipitata*, *mexicana triplicata* p. 32, *mexicana quadruplicata* subsp. nov. p. 33, all figd., Oxfordian, Mexico, Ochoterena.
- †*Postepithyris cincta* p. 61, *tipica* sp. nov. p. 63, *campestriensis* sp. nov. p. 65, *subrhomboidalis* p. 66, *baubini* p. 68, *etalloni* p. 70, *subvalfinsensis* sp. nov. p. 72, *tapalensis* p. 74, Ur. Jurassic, U.S.S.R., Kyansep.
- †*Pseudokingena capellinii* p. 23, figd., Selli.
- †*Pygope aspasia minor* p. 20, figd., Selli; *diphya* p. 525, figd., Tithonian, Poland, Kotanski & Radwanski; *janitor* p. 376, figd., Drushchits & Kudryavtsev; *nepos* p. 87, Pointingher.
- †*Rectithyris* (?) *becksi* p. 229, figd., Moskv. n.; *expansa*, *recurvata* p. 6, *odiuensis* p. 15, *ovalis* p. 17, *rotunda* p. 18 spp. nov., *subdepressa* p. 16, all figd., Cretaceous, India, Sahni; *moissevi*, *depressa* p. 375, figd., Drushchits & Kudryavtsev.
- †*Rhaetina pyriformis* var. *caucasica* p. 77, *pamirensis*, *robinsoni* p. 78, *turcica*, *skirdaensis* p. 79, all figd., Moisseiev.
- †*Stringcephalus axius* sp. nov. p. 158, figd., Mid. Devonian, Canada, Crickway; cf. *burtini* p. 59, sp. 1 p. 60, 1 sp. 2 p. 61, figd., Devonian, North Africa, Drot; *burtini* p. 762, Le Maître & Devos; *dorsatus* p. 47, figd., Ur. Devonian, Poland, Oberg & Górecka.
- †*Taurothyris* gen. nov., type species: *T. avundensis* sp. nov. p. 27, figd., Ur. Jurassic, U.S.S.R., Kyansep.
- †*Timorina* gen. nov., type species: *Notothyris minuta* Broili, 1916, *broili* sp. nov. p. 465, figd., Mid. Permian, Timor, Stehli (1).
- †*Terebratula aualites* p. 10, *ferrandii hisuffarcinata* p. 11, *suprajurensis* p. 12, *gortanii* sp. nov. p. 13, figd. II p. 11, *suprajurensis* p. 12, *gortanii* sp. nov. p. 13, all figd., Ur. Jurassic, Abyssinia, Jaboli; *dauidsoni*, *dauidsoni* var. *gijonensis* p. 64, *jauberti*, *ajuberti* var. *batalleri*, *jauberti* var. *depressa*, *jauberti* var. *leymeriei*, *jauberti* var. *pyrenaica* p. 65, *punctata* var. *arcta*, *subpunctata* var. *hispanica* p. 66, *Bataller* (2); *dorsiplicata*, *sphaeroidalis* p. 5, *Rangheard & Theobald*; *grandis* p. 216, figd., Moraal; *intermedia* p. 178, Rollet; *kelheimensis* p. 312, figd., *immanensis*, *immanensis* var. *pinguis* p. 313, *cyclogonia*, *pyriformis* p. 314, *moravica*, *repeliana*, *ventricosa* p. 315, figd., Poljak; *latifrons* p. 227, *michalkowii* p. 228, 1 *alfonskii* p. 229, *insignis* var. *maltonensis*, *subcanaliculata* p. 230, aff. *subrhomboidalis* p. 231, all figd., Ur. Jurassic, U.S.S.R., Gerasimov; *margaritovi* p. 80, figd., Moisseiev; *melendzi* sp. nov. p. 46, figd., Cretaceous, Spain, Bataller (1); *punctata* p. 97, figd., Moisseiev in Krimholz; *puri* sp. nov. p. 20, figd., Cenomanian, India, Sahni; *scillae*, *ampulla* p. 146, Pliocene, Greece, Anapolitis; *sinuosa* p. 212, *sinuosa* var. *pedemontana* p. 213, var. *constricta*, cf. *bisinuata*, cf. *hornesi* p. 214, Kochansky.
- †, *Terebratula* "biplicata" p. 303, Peake & Hancock; *valdensis*, *acuta acuta*, *acuta circassensis*, *salevensis* p. 374, *moutoniana*, *dutempleana* p. 375, all figd., Drushchits & Kudryavtsev.

†*Terebratula (Concinnithyris) arabilis* p. 14, figd., **Sahni**.

†*Terebratula* (? *Neolithyris*) *depressa* p. 21, *flabellata* p. 22, *elongata*, *gracilis* p. 23, *arriyalurica* p. 24, *mulurensis* p. 25, *olapaudiensis* p. 26 spp. nov., figd., Cretaceous, India, **Sahni**.

Terebratula (Plectoidothyris) cf. *bicanaliculata* p. 15, *ruspolii* p. 16, figd., Inf. Oolite, Abyssinia, **Jaboli**.

Terebratulina caputserpentis p. 214, **Kochansky**; *caputserpentis* var. *elongata* p. 13, Miocene, Italy, **Comaschi**; cf. *relicta* p. 345, figd., Cretaceous, Afghanistan, **Ronchetti**; *striata*, *gracilis*, *chrysalis* p. 231, figd., Ur. Cretaceous, U.S.S.R., **Moskvin**; *triangularis* p. 303, *lata* p. 304, **Peake & Hancock**; *yailensis kajnautensis*, *arguinensis* p. 377, figd., **Drushchits & Kudryavtsev**; p. 475, pedicale discussed, **Rudwick**.

†*Wittenburgella* gen. nov. p. 30, type species: *W. minuta* sp. nov. p. 32, Trias, U.S.S.R., **Dagys** (2).

†*Worobievella* gen. nov. p. 33, type species: *W. caucasica* sp. nov. p. 34, Trias, U.S.S.R., **Dagys** (2).

†*Yochelsonia* gen. nov., type species: *Y. thomasi* p. 454, figd., Permian, Australia, **Stehli**.

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TEREBRATELLACEA

†*Aerothyris* ? *patagonica*, ? *venosa* p. 85, figd., **Levy**.

†*Aulacothyris agnata* p. 61, *agnata* var. *minor* p. 62, Lias, Spain, **Bataller** (2); *subuculenta*, *impressa* p. 244, *subulveata* sp. nov. p. 245, figd., Ur. Jurassic, U.S.S.R., **Gerasimov**; *salgirensis*, *waterhousei* p. 101, figd., **Moisseiev** in **Krimholz**.

†*Cheirothyris aculeata* p. 245, figd., Ur. Jurassic, U.S.S.R., **Gerasimov**.

Coptothyris grayi p. 79, figd., **Hirai & Fukushi**.

†*Eudesia cardioides* p. 178, **Rollet**; ? *moisseievi* sp. nov. p. 114, Lias, U.S.S.R., **Antoshchenko**.

†*Iheringithyris* gen. nov., type species: *Magellania ameghinoi* Ihering, 1903, p. 84, figd., Tertiary, Patagonia, **Levy**.

†*Kingena* sp. p. 303, *lima* p. 311, **Peake & Hancock**; *wacoensis* p. 63, figd., **Perkins**.

Kraussina rubra p. 475, attachment discussed, **Rudwick**.

Laqueus californicus p. 244, **Lowenstam**.

†*Lyra neocomiensis* p. 380, figd., **Drushchits & Kudryavtsev**.

†*Magas pumilus* p. 232, figd., **Moskvin**.

Megerlia echinata p. 89, **Atkins** (3); *truncata* p. 244, **Lowenstam**; *truncata* p. 95, *echinata* 0. 1p4, **Atkins** (1).

†*Modestella* gen. nov. p. 573, type species: *M. modesta* sp. nov. p. 574, figd., Lr. Albian, Britain, **Owen**.

Muhlfeldtia truncata var. *oblita* p. 214, **Kochansky**.

Obovothyris obovata p. 5, **Rangheard & Theobald**; *obovata*, *grandobovata* p. 178, **Rollet**.

†*Pachymagas venter*, *pyramidesia* p. 86, *gigantea* p. 87, figd., **Levy**.

Terebratalia coreanica p. 78, figd., **Hirai & Fukushi**; *obsoleta*, *transversa* p. 244, **Lowenstam**.

Terebratella jaccardi, *fittoni* p. 380, figd., **Drushchits & Kudryavtsev**; *liasia* p. 101, figd., **Moisseiev** in **Krimholz**; *lujani* var. *depressa* p. 46, **Bataller** (1).

Terebratella (Dictyothyris) gzheliensis sp. nov., figd., Ur. Jurassic, U.S.S.R., **Gerasimov**.

Terebratella (Waltonia) inconspicua p. 255, **Atkins** (2).

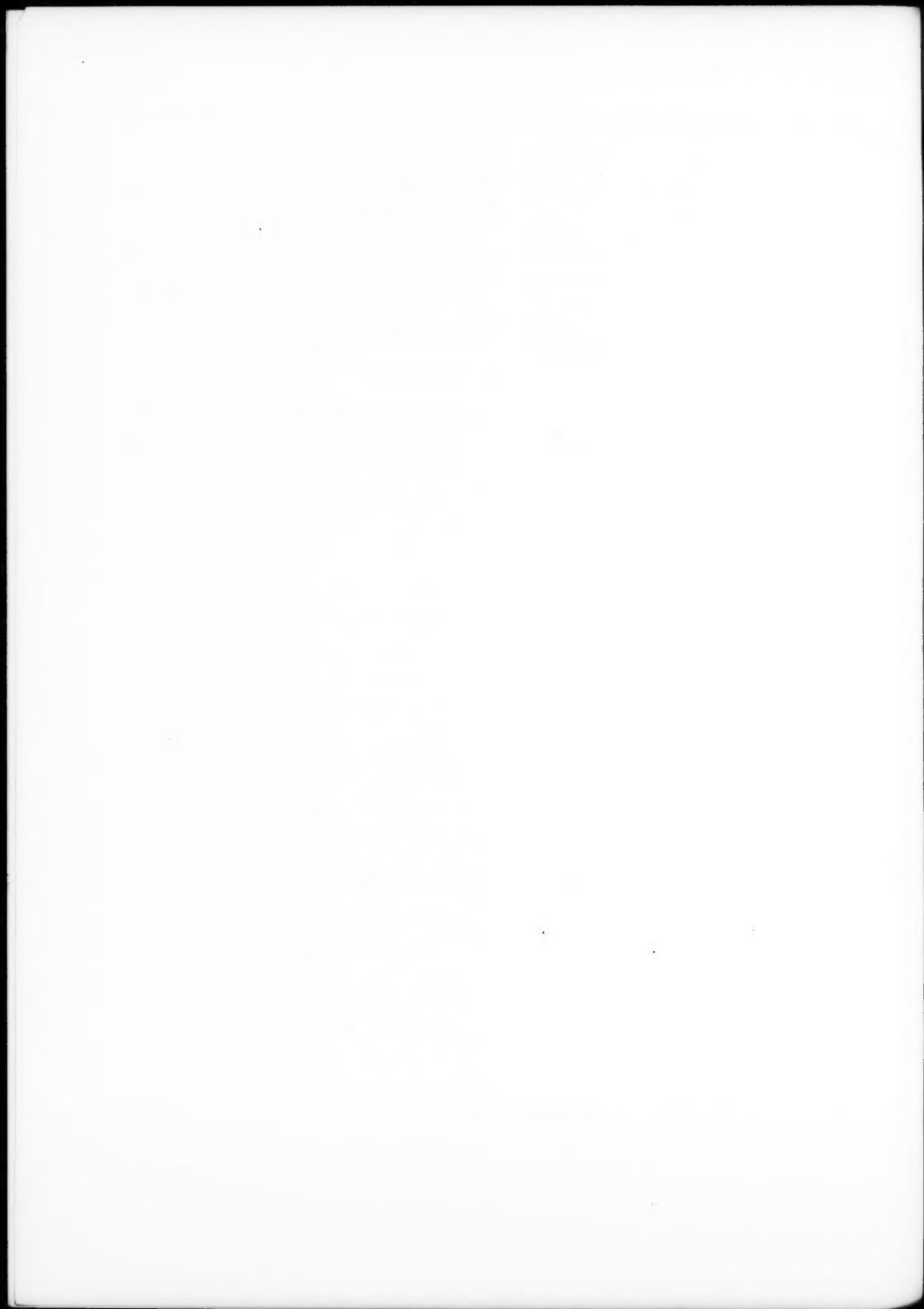
†*Trigonosemus elegans* p. 232, figd., **Moskvin**.

†*Terebratula (Waldheimia) verneuili* p. 66, **Bataller** (2).

†*Waldheimia bolivari* p. 66, **Bataller** (2); *lycetti* p. 89, *truncatella* p. 90, figd., **Pointingher**; *pseudolagenalis*, cf. *mandelssohni* p. 316, figd., **Poljak**; *schlosseri* p. 29, figd., **Jaboli**.

†*Zeilleria cegemensis*, *ullukolensis*, *airgulensis*, *globus*, *tamarindus* p. 378, all figd., *pentagonalis*, *marianovkensis*, *koutaisensis* p. 379, figd., **Drushchits & Kudryavtsev**; *eichwaldi* p. 239, *choroschovensis* sp. nov., *volgensis*, *Z. ? popilanicus*, *luna* p. 241, *luna* var. *tenua*, *liccata* sp. nov. p. 243, all figd., Ur. Jurassic, U.S.S.R., **Gerasimov**; *lagenalis* p. 232, *trautscholdi*, *clemenci* p. 233, *truncata* sp. nov., p. 234, *royeriana* p. 235, *royeriana* var. *subbullata* var. nov., *royeriana* var. *ovalis* var. nov. p. 237, *bullata*, *bullata* var. *planata* var. nov. p. 238, *hararina* sp. nov. p. 27, figd., Ur. Jurassic, Abyssinia, **Jaboli**; *hodesensis* p. 80, figd., **Moisseiev**; *numismalis*, *subnumismalis*, *stapia* p. 99, *ewaldi*, *subdigona*, *cornuta* p. 100, figd., **Moisseiev** in **Krimholz**; *mutabilis* p. 21, *cathariniae* p. 22, figd., **Selli**.

†*Zeillerina* gen. nov. p. 117, type species: *Z. belbekensis* **Moiseev**, 1934, p. 118, Ur. Jurassic, U.S.S.R., **Kyansep** (1); *belbekensis* p. 81, *egena* p. 83, *humeralis* p. 85, *astartina* p. 87, *taurica* p. 89, *guenstedti* p. 91, *lorioli* p. 93, *roemeri* p. 94 spp. nov., figd., Ur. Jurassic, U.S.S.R., **Kyansep**.



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